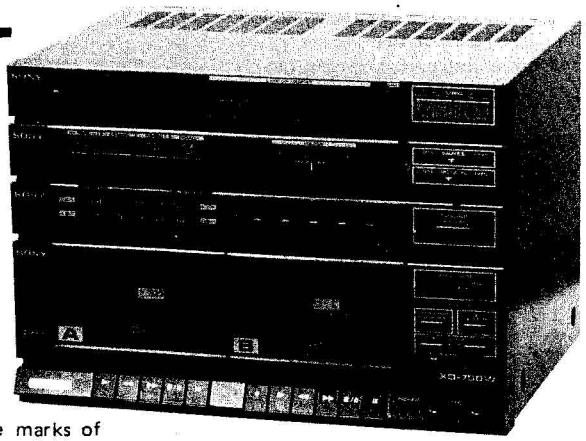
HST-750W

1996

SERVICE MANUAL

AEP Model
UK Model



This set is the deck-receiver Section in XO-750W

'Dolby' and the double-D symbol are the trade marks of Dolby Laboratories Licensing Corporation. Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.

SPECIFICATIONS

Tape Transport Mechanism Type	TCM-YMW-47

Amplifier section

Continuous RMS power output
35 + 35 watts
(6 ohms, at 1 kHz, 5% THD)

Inputs	Sensitivity	Impedance
PHONO (phono jacks)	3.5 mV	50 kilohms
CD/AUX (phono jacks)	250 mV	50 kilohms
MIC (phone jack)	1 mV	low impedance

Outputs

HEADPHONES (stereo phone jack)	Accepts low impedance headphones
SPEAKER	Accepts speakers of 6 to 16 ohms

Tuner section

System FM stereo, FM/AM superheterodyne tuner
Qaurtz-locked digital synthesized tuner

FM tuner section

Tuning range 87.5 - 108 MHz
Antenna terminals
75 ohms unbalanced
Intermediate frequency
10.7 MHz
Signal-to-noise ratio
70 dB (mono)
65 dB (stereo)

MW/LW tuner section

	MW	LW
Tuning range	522 – 1,611 kHz	144 – 288 kHz
Antenna	Ferrite-bar antenna incorporated External antenna terminal	
intermediate frequency	450 kHz	

Deck section

Recording system
4-track 2-channel stereo
Frequency response
With TYPE II cassette (Sony UCX)
60 – 14,000 Hz (±3 dB)
With TYPE I cassette (Sony HF-S)
60 – 13,000 Hz (±3 dB)

–Continued on page 2–

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

MICROFILM

STEREO DECK RECEIVER

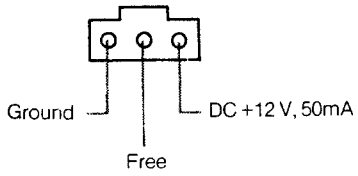
SONY®

AUD

General

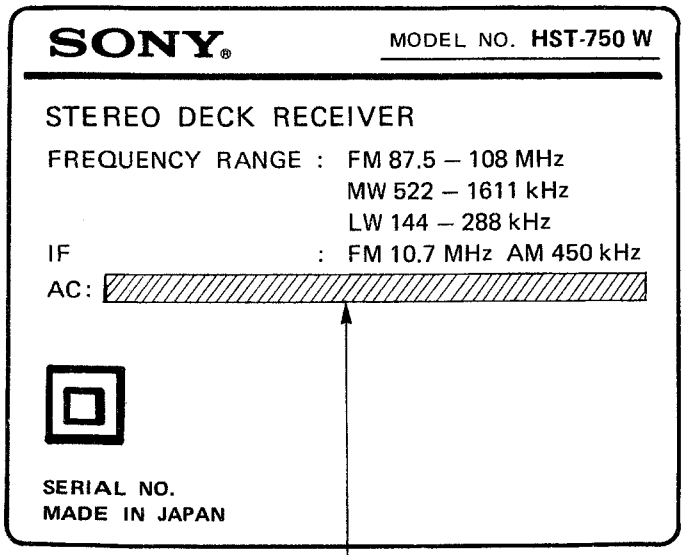
Dimensions	For AEP: Approx. 355 × 260 × 290 mm (w/h/d) (14 × 10¼ × 11½ inches)
	For UK: Approx. 355 × 260 × 285 mm (w/h/d) (14 × 10¼ × 11¼ inches) incl. projecting parts and controls
Weight	Approx. 7.4 kg (16 lb 5 oz) net
Power consumption	
	For AEP: 90 watts
	For UK: 190 watts
AC outlet	1 switched, 100 watts max.

DC output connector for PS-LX35P



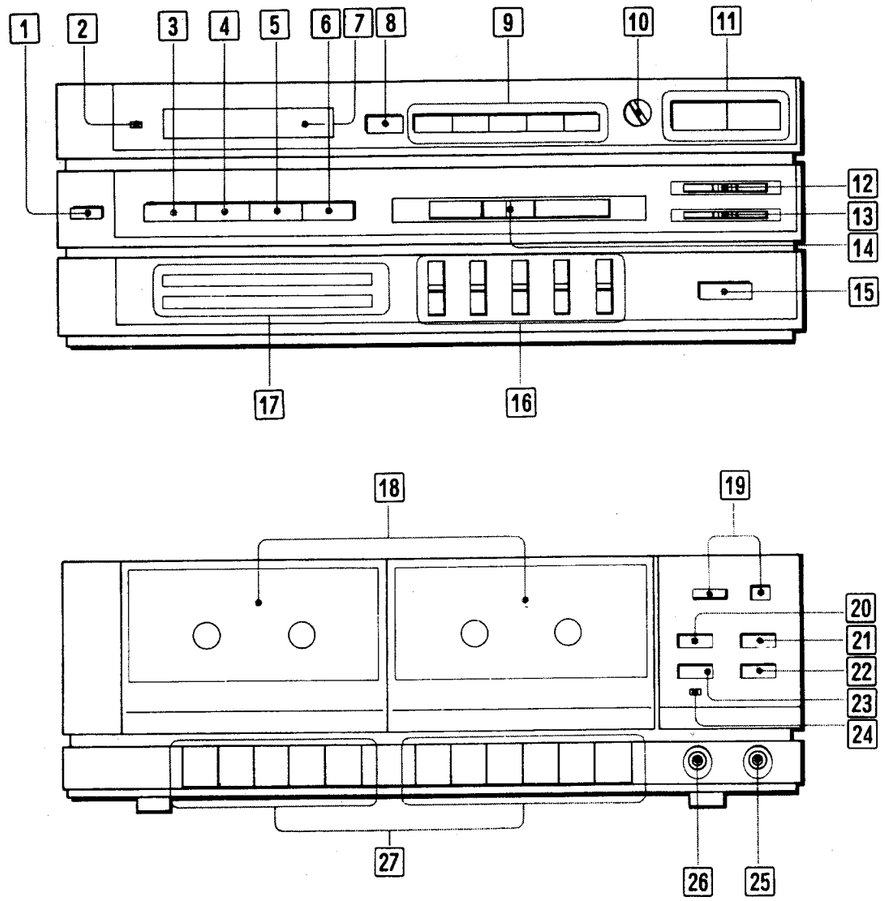
MODEL IDENTIFICATION

– Specification Label –


SONY
MODEL NO. HST-750 W
STEREO DECK RECEIVER
FREQUENCY RANGE : FM 87.5 – 108 MHz
MW 522 – 1611 kHz
LW 144 – 288 kHz
IF : FM 10.7 MHz AM 450 kHz
AC:
SERIAL NO.
MADE IN JAPAN

AEP MODEL : 220 V – 50/60 Hz 80 W
UK MODEL : 240 V – 50 Hz 190 W

SECTION 1
OUTLINE



Each number is keyed to the descriptive text in "LOCATION AND FUNCTION OF CONTROLS".

LOCATION AND FUNCTION OF CONTROLS

Each number in the text is keyed to that of the illustrations on page 3.

1 POWER switch

2 STEREO indicator

3 TAPE button
Press this button to listen to a taped program.

4 CD/AUX button
Press this button to listen to or record an auxiliary program.
(connected to the CD/AUX inputs on the rear panel).

5 TUNER button
Press this button to listen to or record a radio program.

6 PHONO button
Press this button to listen to or to record a record program.

7 Tuner indicator

8 MEMORY button

9 PRESET STATION buttons (1-5)
To preset station, simply find desired frequency with TUNING buttons and push MEMORY switch, then push desired PRESET STATION button.

10 BAND selector
Selects the desired band.

11 TUNING buttons
Press the "+" button to tune in a higher frequency, and the "–" button to tune in a lower frequency.
To change the frequency continuously, keep the button pressed.

12 BALANCE control

13 MIC LEVEL control
Slide the control towards MAX for more microphone volume.
When a microphone is not used, slide this control completely to MIN.

14 VOLUME control

15 EQUALIZER switch
To activate equalizer, push switch to ON (⎍) position and modify sound as desired. Bypass this function by returning switch to OFF (⎍) position.

16 Graphic equalizer controls
100Hz: Use this control to boost or cut the bass.
400Hz: Use this control to adjust the middle frequency range.
1 KHz: Use this control to provide more presence of vocals.
4 KHz: Use this control to adjust the brightness of sound.
12KHz: This control effects general treble. Slide downwards to reduce high frequency noise, such as tape hiss.

17 Level indicator
This indicates source level.

18 Cassette holders

19 TAPE COUNTER and RESET button

20 DUBBING SPEED button
Press this button to select the dubbing speed for tape-to-tape dubbing.
For high speed dubbing, depress this button (HIGH⎍).
For normal speed dubbing, keep this button released (NORMAL⎍).

21 DOLBY NR button
Depress this button (ON) for recording or playback with the Dolby B NR process. Press again to disengage (OFF).

22 TAPE SELECT B button (deck B)

23 TAPE SELECT A button (deck A)

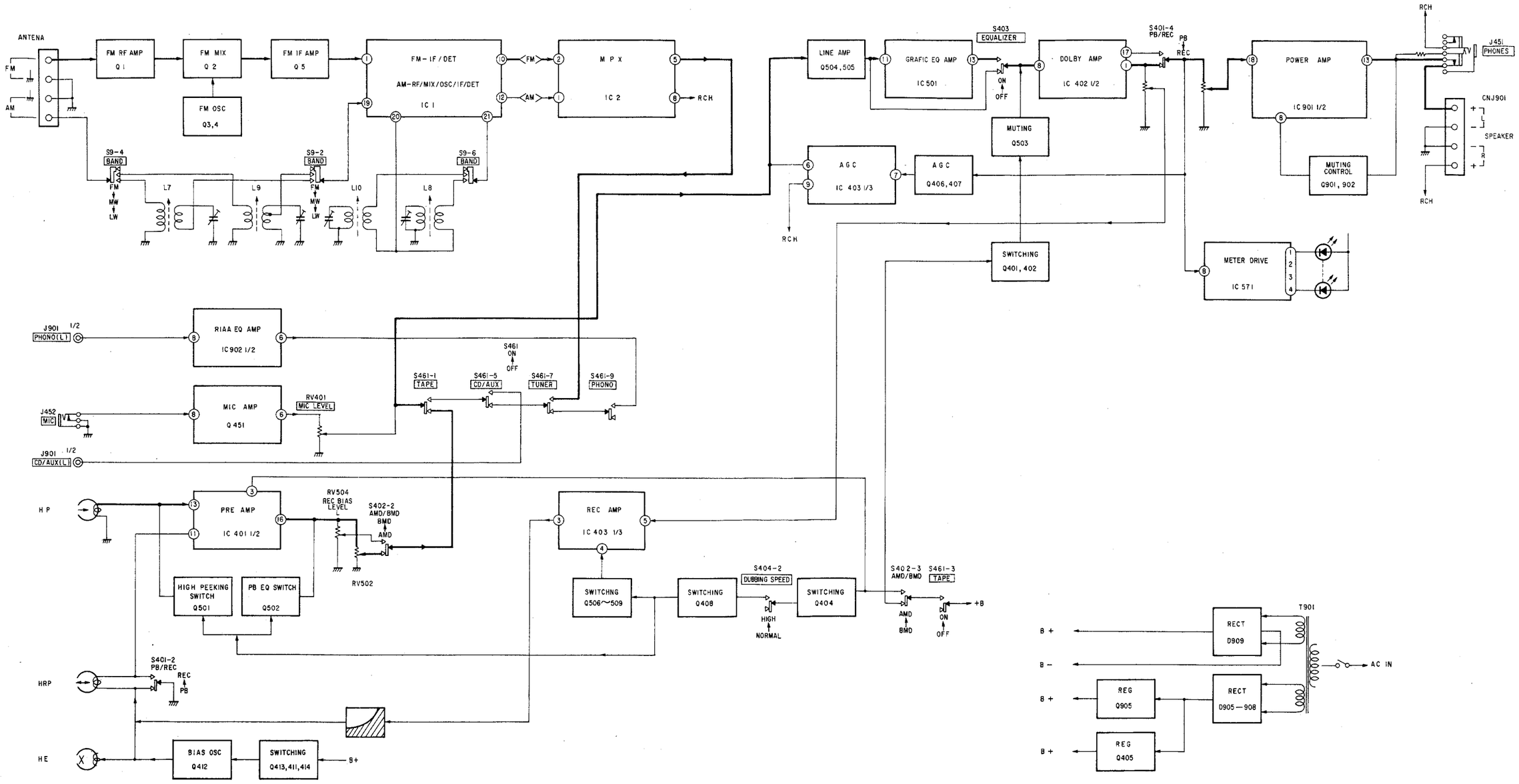
24 REC indicator
When the cassette deck is in record mode, this will be illuminated.

25 MIC (microphone) jack

26 HEADPHONES jack (stereo phone jack)

27 Tape operation buttons
● (recording) button
▶ (playback) button
◀◀ (rewind) button
▶▶ (fast-forward) button
■⏏ (stop/eject) button
❚❚ (pause) button

SECTION 2
BLOCK DIAGRAM

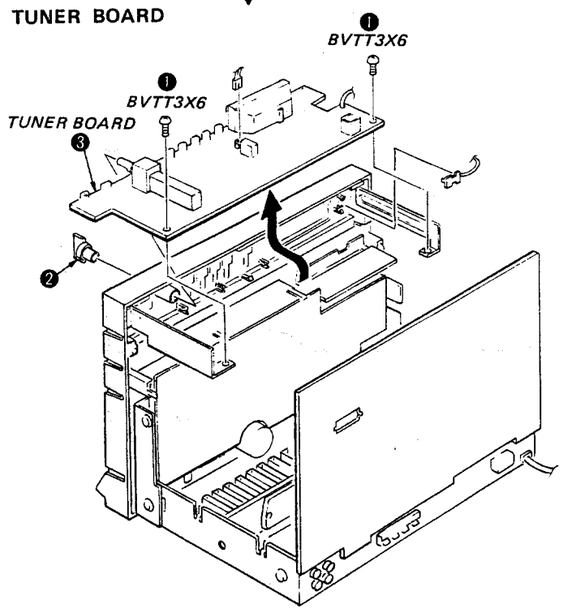


SECTION 3
DISASSEMBLY

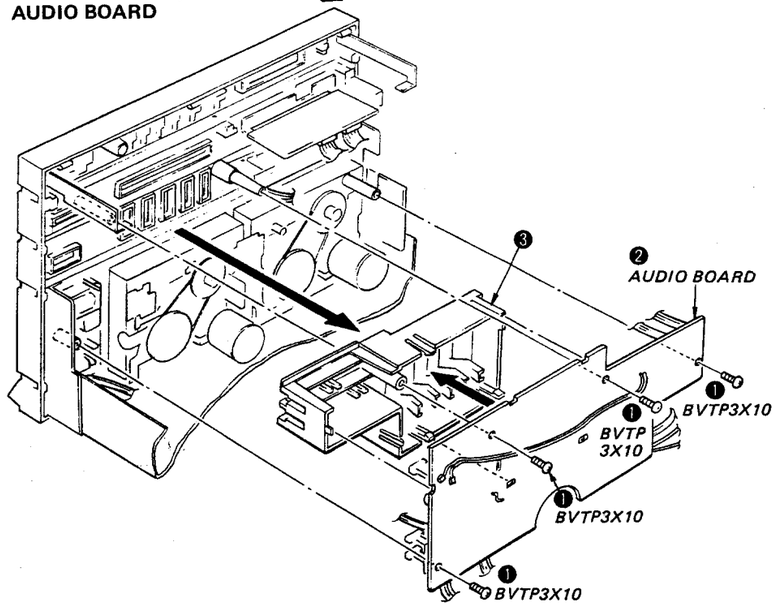
Note: Follow the disassembly procedure in the numerical order given.

REMOVE THE CASE
SCREW M3 X 6

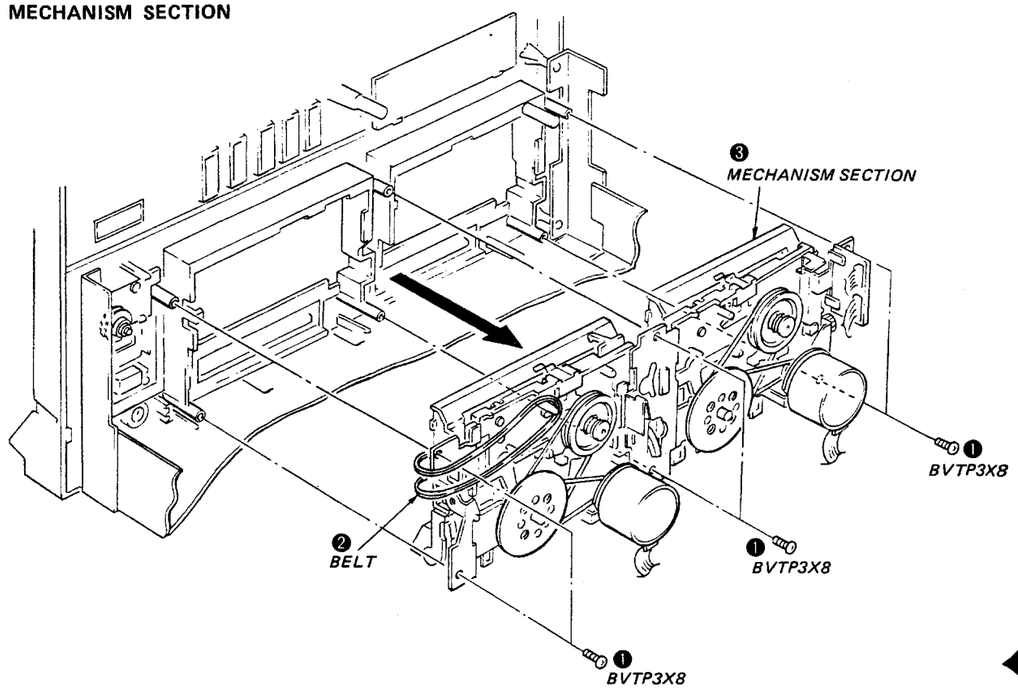
TUNER BOARD



AUDIO BOARD

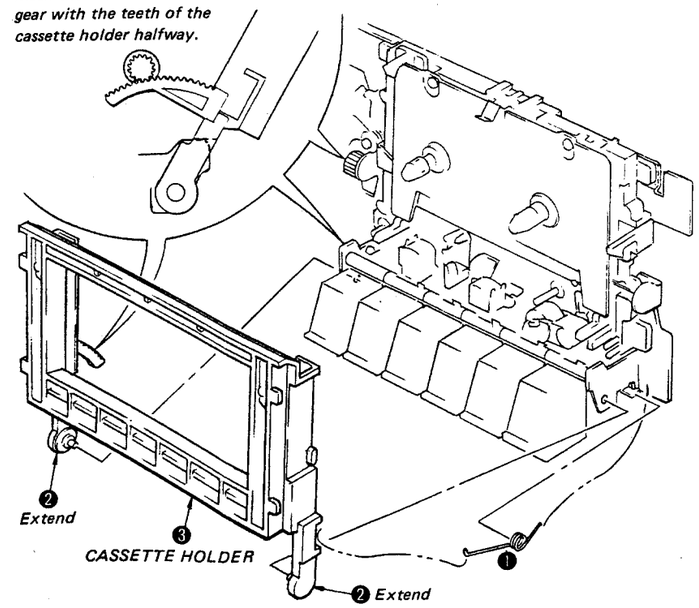


MECHANISM SECTION



CASSETTE HOLDER

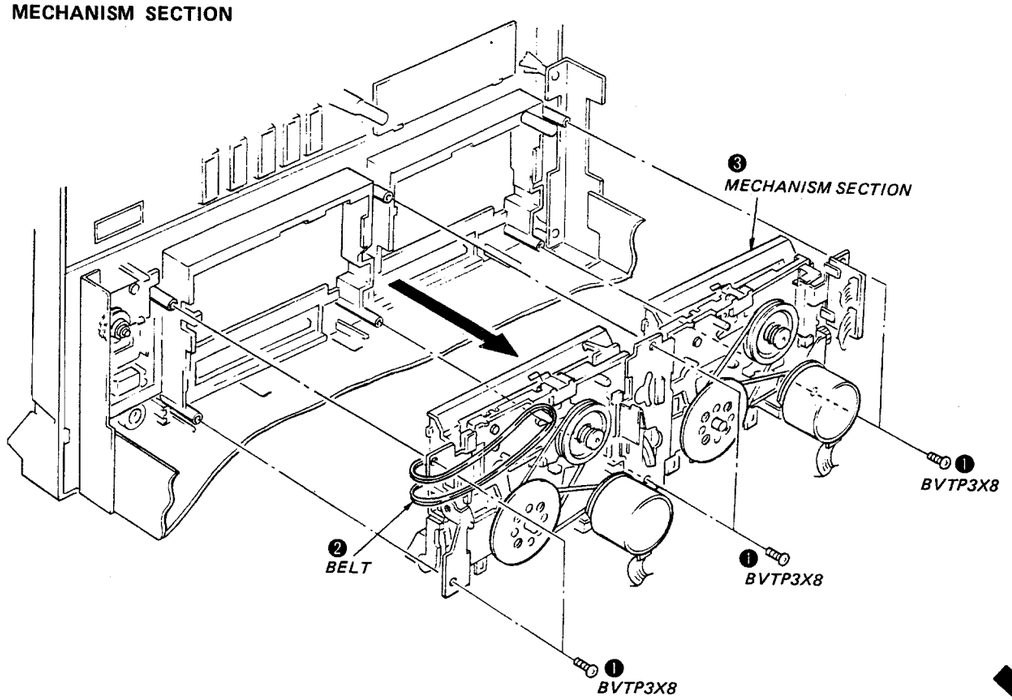
When installing, mesh the teeth of the small gear with the teeth of the cassette holder halfway.



HI

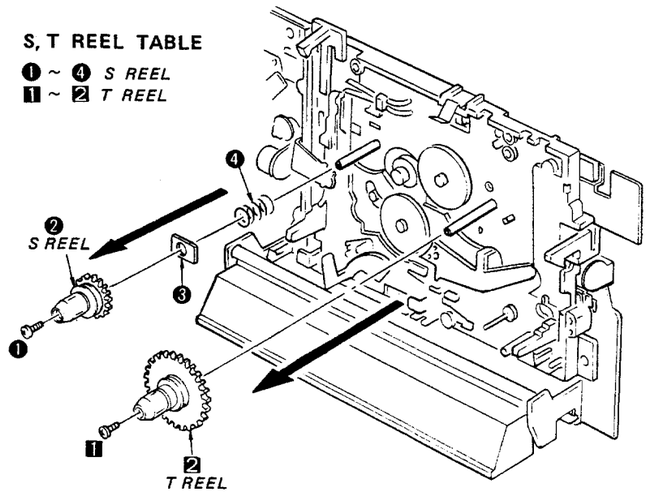
❶ PTT2X4

MECHANISM SECTION

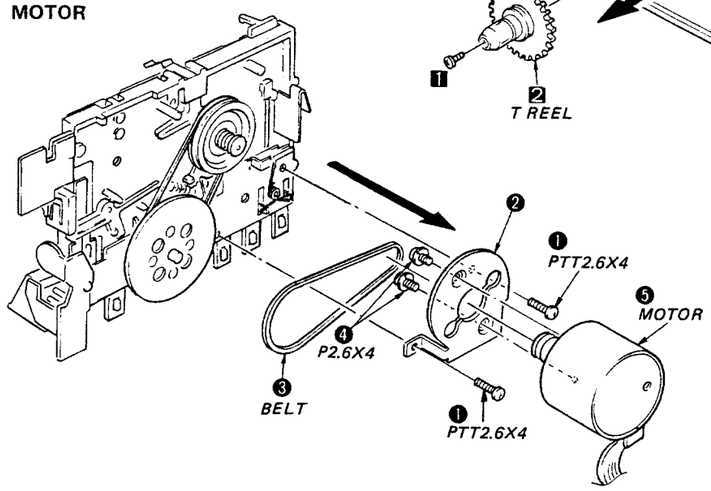


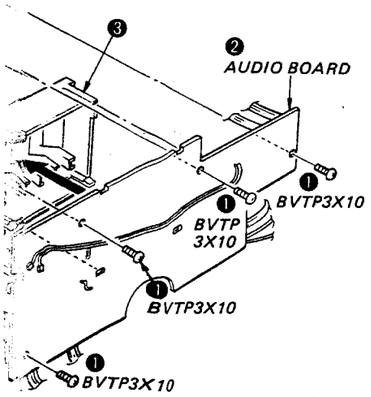
S, T REEL TABLE

❶ ~ ❹ S REEL
1 ~ 2 T REEL



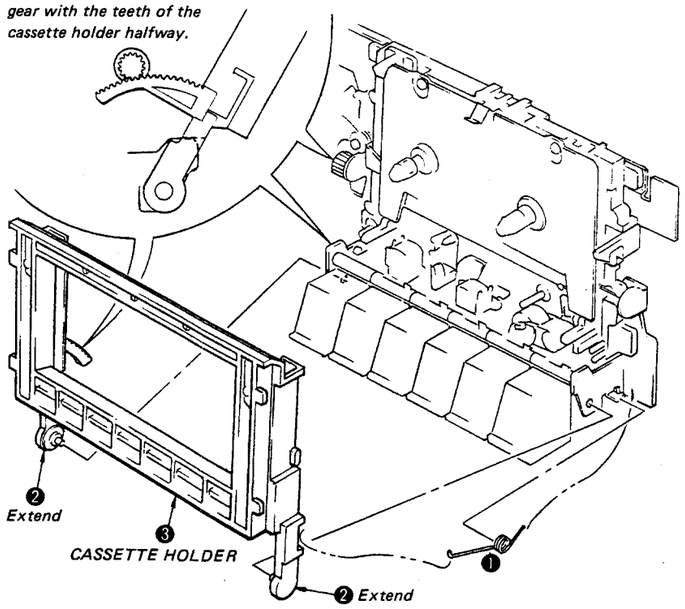
MOTOR



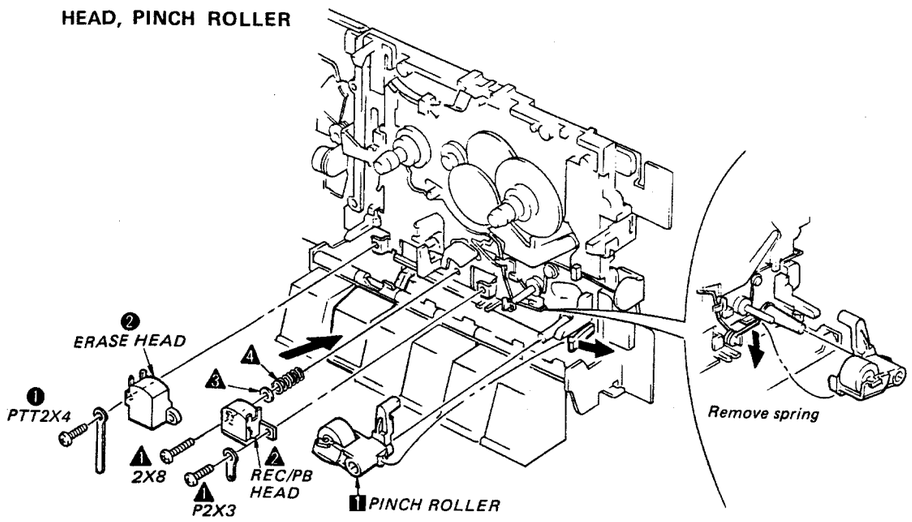


CASSETTE HOLDER

When installing, mesh the teeth of the small gear with the teeth of the cassette holder halfway.



HEAD, PINCH ROLLER



HST-750W

SECTION 4
ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:

record/playback head	pinch roller
erase head	rubber belts
capstan	idlers

2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Torque	Torquement	Meter reading
FWD	CQ-102C	30 – 70 g·cm (0.42 – 0.97 oz·inch)
FWD Back tension	CQ-102C	1.5 – 5.5 g·cm (0.020 – 0.076 oz·inch)
FF. REW	CQ-201B	63 g·cm or more 0.87 oz·inch)

3-2. ELECTRICAL ADJUSTMENTS

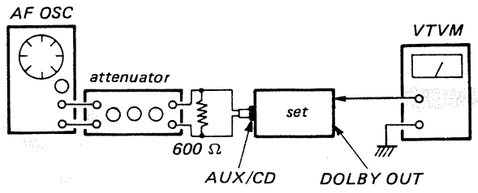
1. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjusted.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
6. The adjustments should be performed for both L-CH and R-CH.

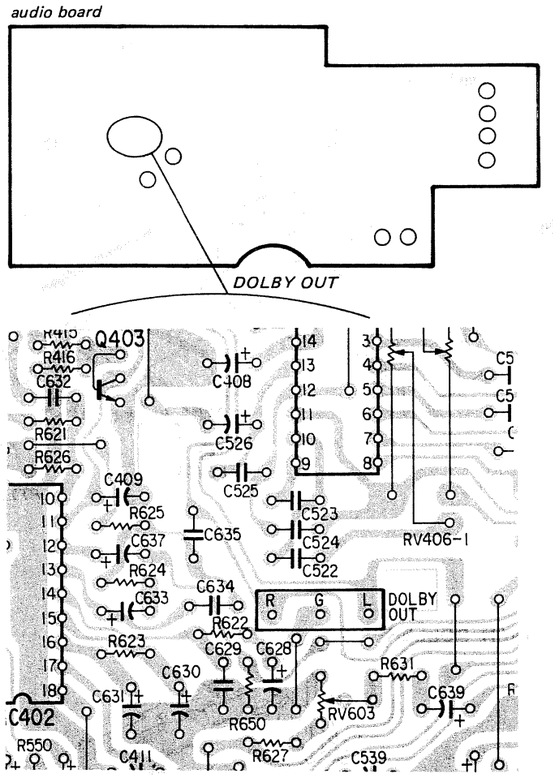
- Switches and controls should be set as follows unless otherwise specified.

  DOLBY NR switch: OFF

- Standard Record:
  Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

Mode: record





Standard Input Level

	AUX/CD
source impedance	600 Ω
input level	0.25 V (–10 dB)

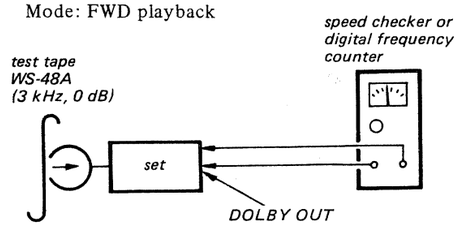
Standard Output Level

	DOLBY OUT
load impedance	nothing
output level	0.33 V (–7.5 dB)

Tape Speed Adjustment

Procedure:

Mode: FWD playback



1. Connect pin to with the lead wire.

Specification: high speed

Speed checker	Digital frequency counter
–0.5 – +0.5%	5,970 Hz – 6,030 Hz

Frequency difference between the beginning and the end of the tape should be within 0.25% (15 Hz).

Adjustment location:
DECK-A side RV483
DECK-B side RV482

2. Remove the wire in step 1.

Specification: normal speed

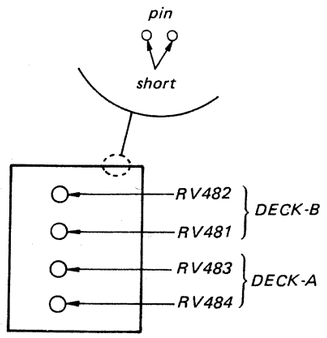
Speed checker	Digital frequency counter
–0.5 – +0.5%	2,985 Hz – 3,015 Hz

Frequency difference between the beginning and the end of the tape should be within 0.25% (15 Hz).

Adjustment location:
DECK-A side RV484
DECK-B side RV481

3. If the specifications are not satisfied, repeat step 1 and 2.

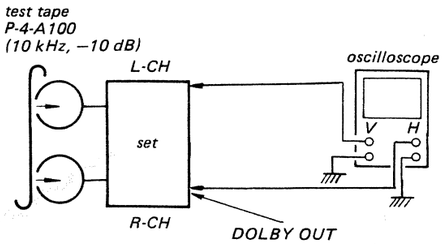
Adjustment Location: MOTOR control board.



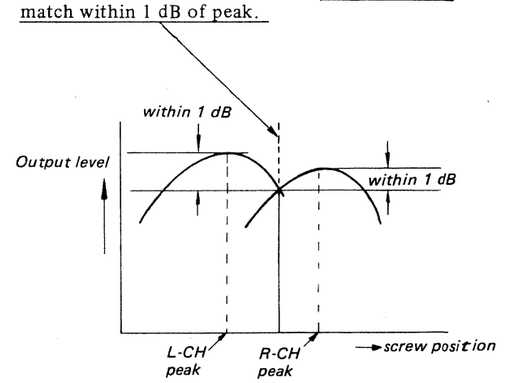
Record/Playback Head Azimuth Adjustment

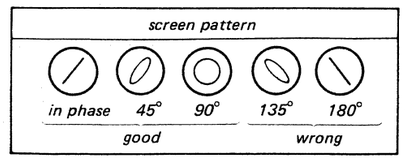
Procedure:

1. Mode: FWD playback



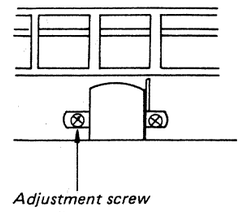
2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1 dB of peak.





3. Mode: REV
   Repeat step 1 and 2.
4. After the adjustments, apply suitable locking compound to the parts adjusted.

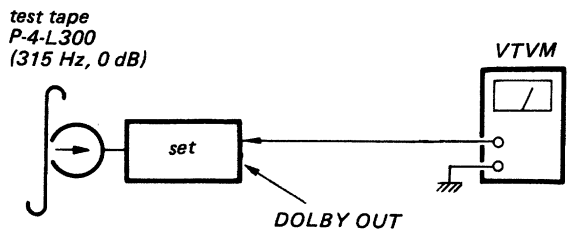
Adjustment Location:



Playback Level Adjustment

Procedure:

Mode: FWD playback



Adjust,

DECK-A side RV501 (L-CH), RV601 (R-CH)

DECK-B side RV502 (L-CH), RV602 (R-CH)

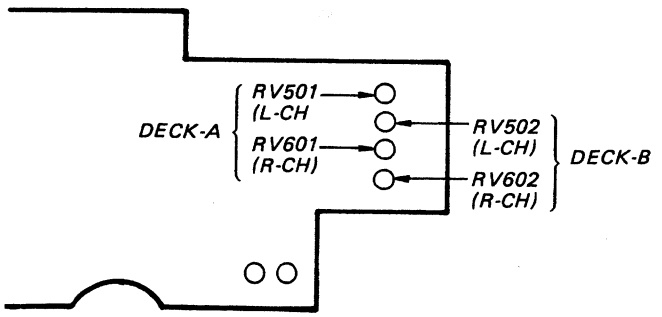
so that the specifications are satisfied.

Specification:

LINE OUT level: 0.35 ~ 0.31 V
(−7 ~ −8 dB)

level difference between the channels:
within 0.5 dB

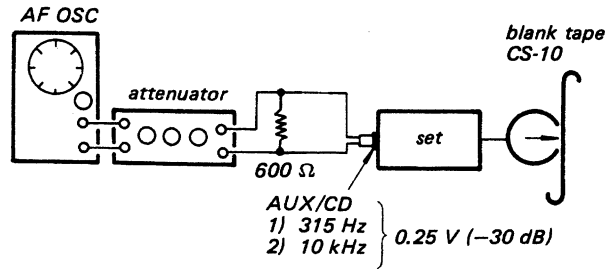
Adjustment Location: audio Board



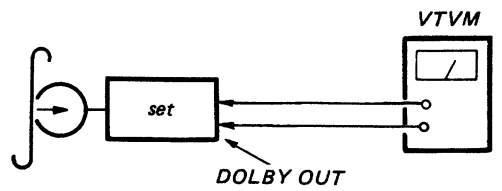
Record BIAS Current Adjustment

Procedure:

1. Mode: record



2. Mode: playback

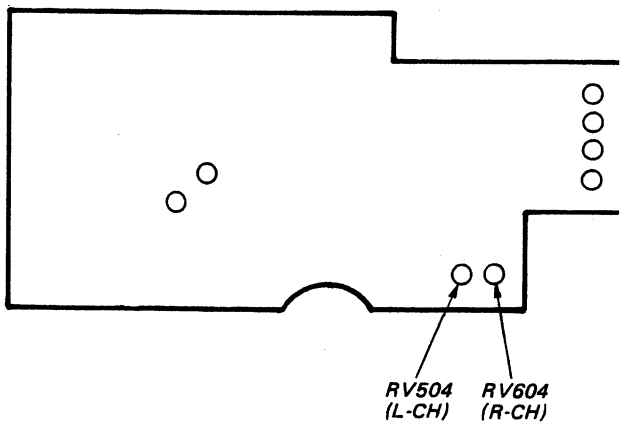


Play back the tape recorded in step 1. If the specification is not satisfied, adjust RV504 (L-CH), RV604, (R-CH) and repeat steps 1 and 2.

Specification:

The LINE OUT level of 10 kHz signal relative to that of 315 Hz: −2 dB ~ 0 dB.

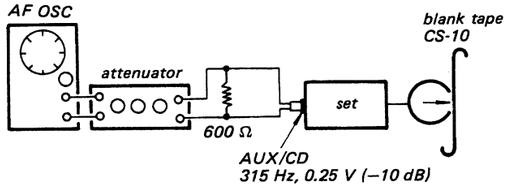
Adjustment Location: audio board



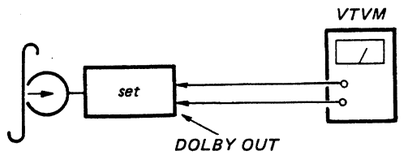
Record Level Adjustment

Setting:
TAPE SELECT: TYPE

Procedure:
1. Mode: record



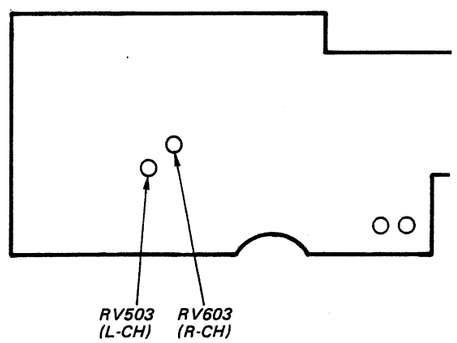
2. Mode: playback



Play back the tape recorded in step 1. If the specification is not satisfied, adjust RV503 (L-CH), RV603 (R-CH) and repeat steps 1 and 2.

Specification:
DOLBY OUT level: –0.5 ~ +0.5 dB.

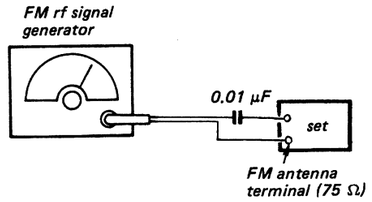
Adjustment Location: audio board



FM Discriminator Alignment

Setting:
BAND SELECTOR switch . . . . . FM

Procedure:



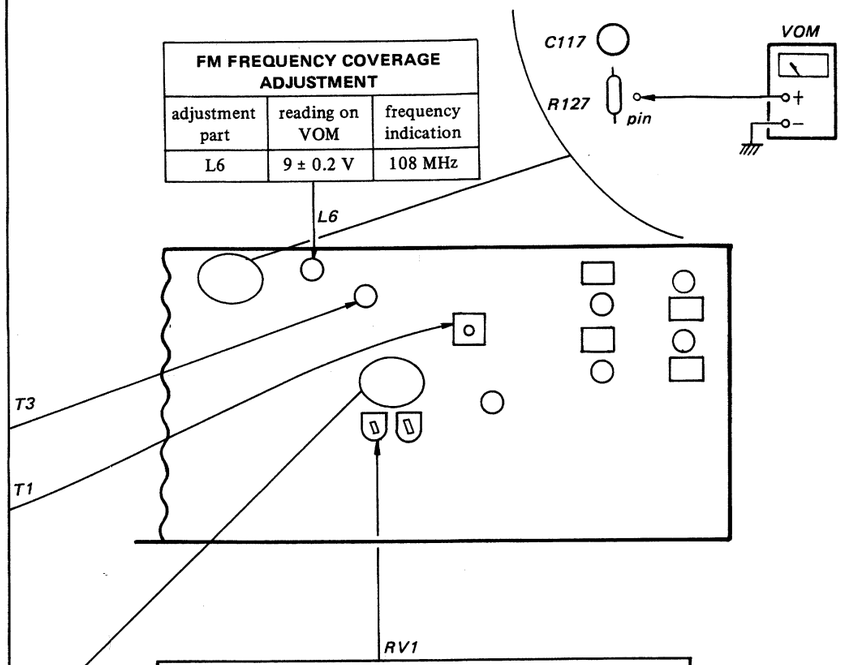
Carrier frequency: 98 MHz
Output level: 1 mV (60 dB)
Modulation: 1 kHz, 40 kHz deviation (100%)

1. Tune the set to 98 MHz.
2. Adjust T3 for maximum reading on V.T.V.M.

NULL adjustment
1. Adjust T1 for a 0V reading on the VOM

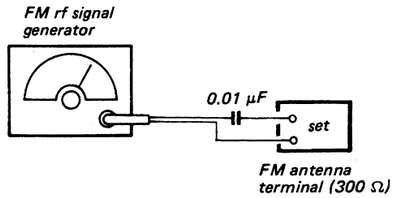
Note: When the ceramic filter is replaced, these adjustments should be made.

FM FREQUENCY COVERAGE ADJUSTMENT		
adjustment part	reading on VOM	frequency indication
L6	9 ± 0.2 V	108 MHz



TUNED Indication Lighting Level Adjustment

Setting:
STEREO/MUTING switch: OFF

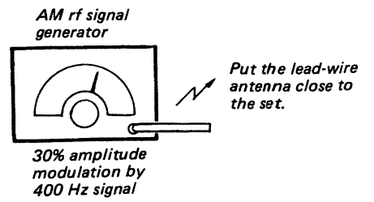


Carrier frequency: 98 MHz
Output level: 17.8 µV (25 dB)
Modulation: 1 kHz, 40 kHz deviation (100%)

1. Tune the set to 98 MHz.
2. Adjust RV1 so that the TUNED indicator goes on.

MW/LW SECTION

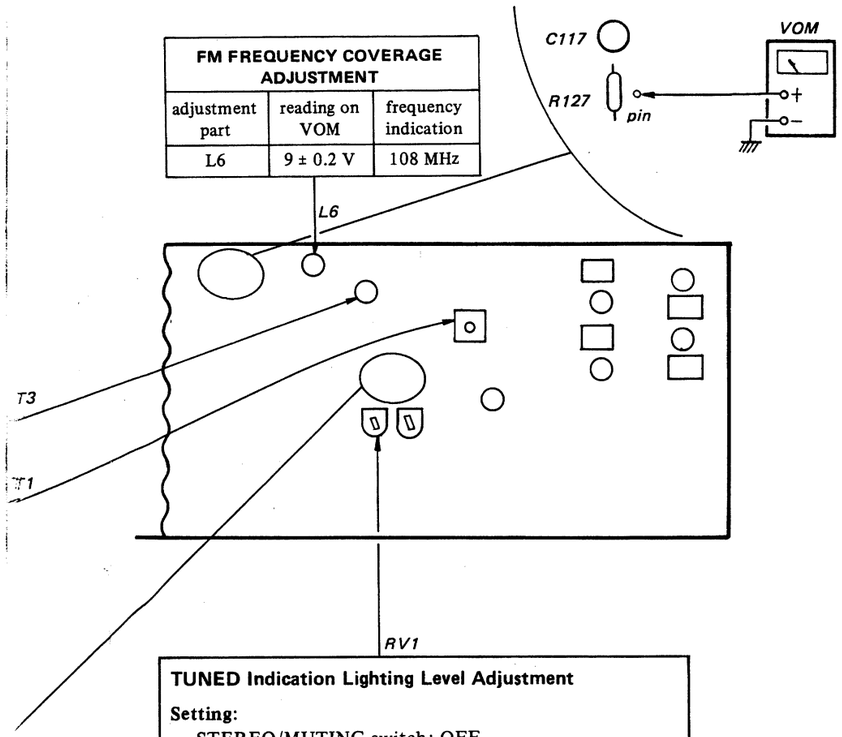
Setting:
BAND SELECTOR switch: MW/LW



AM IF ALIGNMENT
Adjust for a maximum reading on VTVM.
450 kHz
T2

L9
603 k
Adjust f on VTV
MW TRA

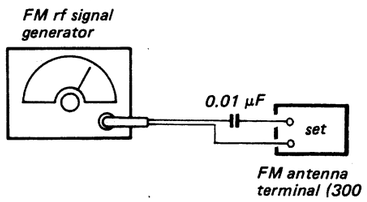
FM FREQUENCY COVERAGE ADJUSTMENT		
adjustment part	reading on VOM	frequency indication
L6	9 ± 0.2 V	108 MHz



TUNED Indication Lighting Level Adjustment

Setting:

STEREO/MUTING switch: OFF



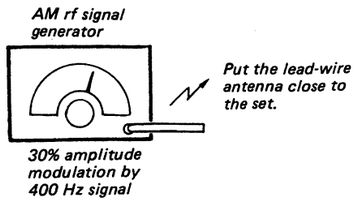
Carrier frequency: 98 MHz
Output level: 17.8 µV (25 dB)
Modulation: 1 kHz, 40 kHz deviation (100%)

1. Tune the set to 98 MHz.
2. Adjust RV1 so that the TUNED indicator goes on.

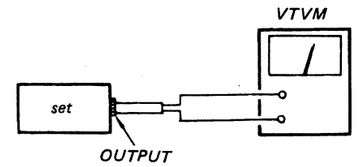
MW/LW SECTION

Setting:

BAND SELECTOR switch: MW/LW



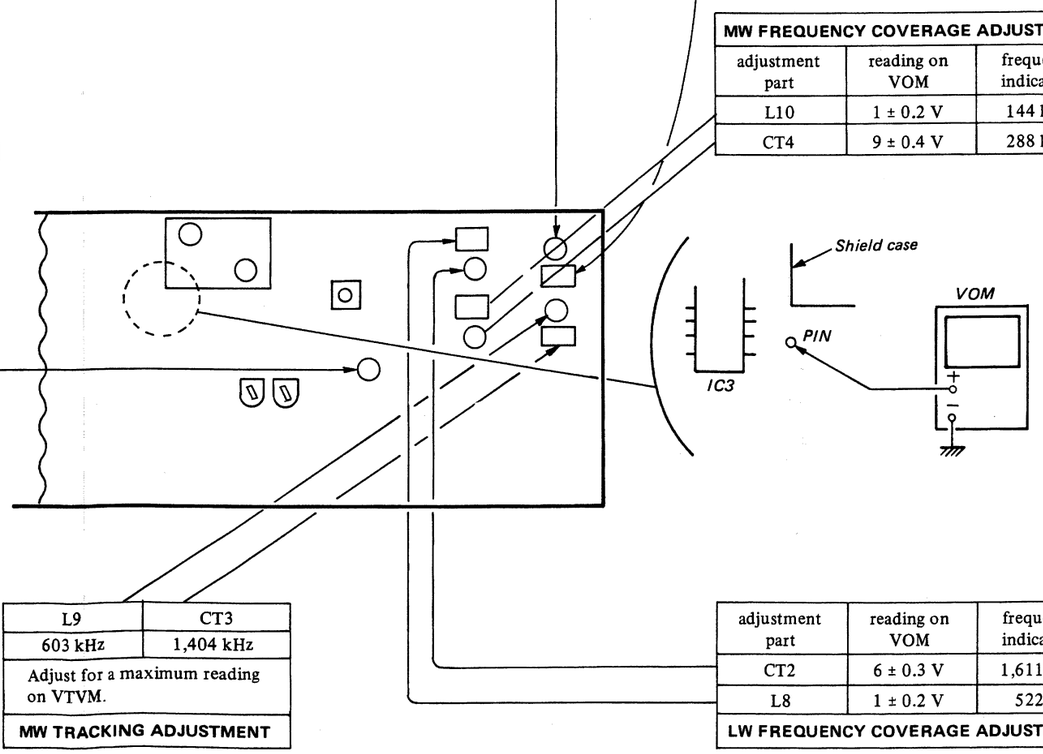
AM IF ALIGNMENT
Adjust for a maximum reading on VTVM.
450 kHz
T2



- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

LW TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
174 kHz	270 kHz
L7	CT1

MW FREQUENCY COVERAGE ADJUSTMENT		
adjustment part	reading on VOM	frequency indication
L10	1 ± 0.2 V	144 kHz
CT4	9 ± 0.4 V	288 kHz



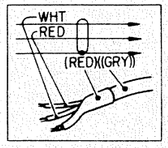
L9	CT3
603 kHz	1,404 kHz
Adjust for a maximum reading on VTVM.	
MW TRACKING ADJUSTMENT	

adjustment part	reading on VOM	frequency indication
CT2	6 ± 0.3 V	1,611 kHz
L8	1 ± 0.2 V	522 kHz
LW FREQUENCY COVERAGE ADJUSTMENT		

SECTION 5
DIAGRAMS

Note:

- Color code of sleeving over the end of the jacket.



- ○—— : parts extracted from the component side.
- ●—— : parts extracted from the conductor side.
- ■ : part mounted on the conductor side.
- [ ]— : indicates side identified with part number.
- : signal path
- : L-CH signal path
- : R-CH signal path
- : B + pattern

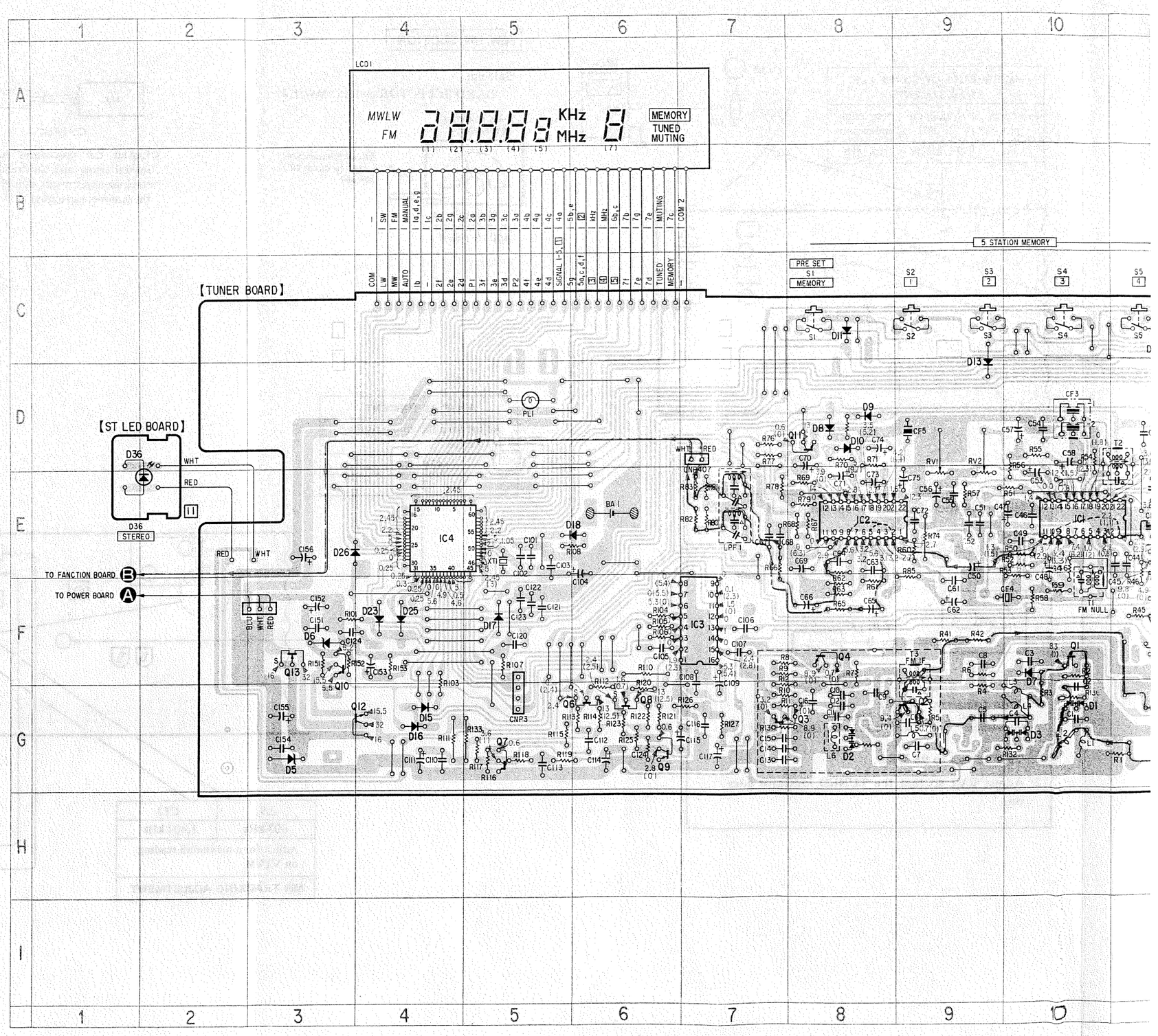
●SEMICONDUCTOR LOCATION

Rcf.No.	Location	Ref.No.	Location
IC1	E-10	D1	G-10
IC2	E-8	D2	G-8
IC3	F-7	D3	G-10
IC4	E-4	D4-1	G-13
		D4-2	G-12
Q1	F-10	D5	G-3
Q2	G-9	D6	F-3
Q3	G-7	D7	F-10
Q4	F-8	D8	D-8
Q5	E-11	D9	D-8
Q6	G-6	D10	D-8
Q7	G-5	D11	C-8
Q8	G-6	D12	C-11
Q9	G-6	D13	D-9
Q10	F-3	D14	C-11
Q11	D-8	D15	G-4
Q12	G-3	D16	G-4
Q13	F-3	D17	F-5
		D18	E-6
		D20	D-12
		D21	D-12
		D22	D-12
		D23	F-4
		D25	F-4
		D26	E-3
		D28	G-14
		D29	G-14
		D36	E-2

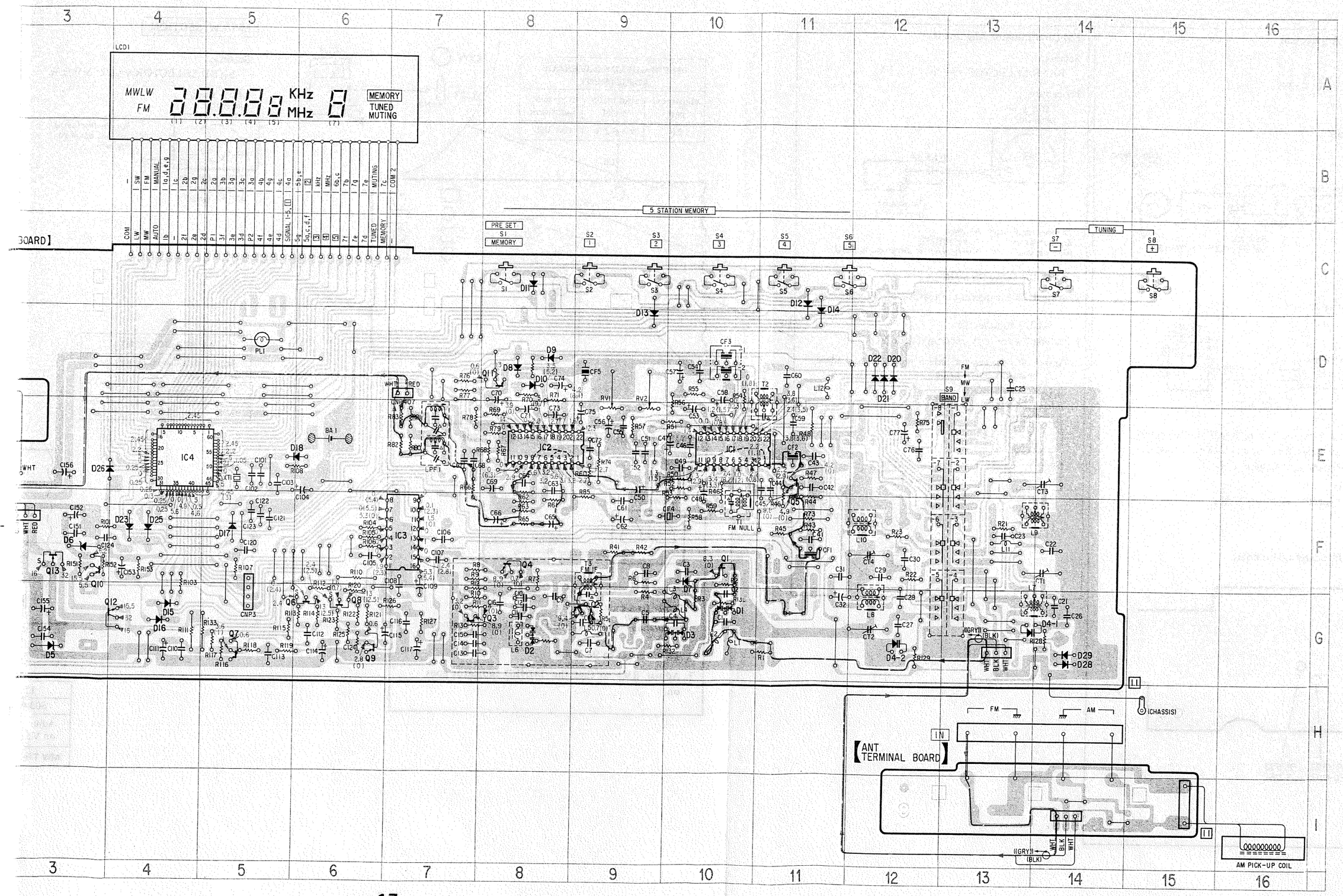
5-1. MOUNTING DIAGRAM — TUNER SECTION —

— Conductor Side —

● See page 22 for semiconductor lead layouts.



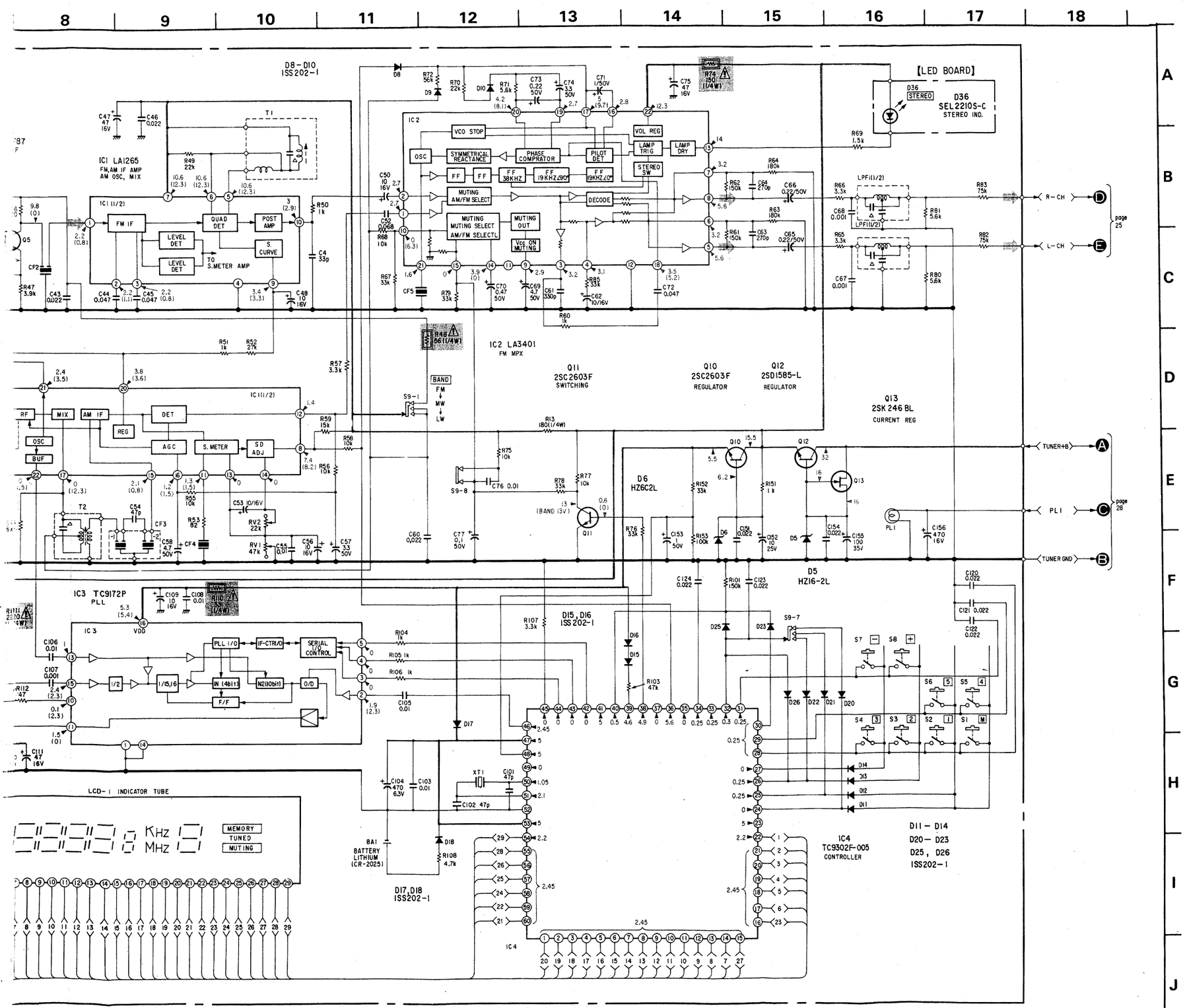
● See page 22 for semiconductor lead layouts.



5-2. SCHEMATIC DIAGRAM – TUNER SECTION –

【TUNER BOARD】

HST-750W



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/6 W or less unless otherwise specified.
- ⇨ : signal path.

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

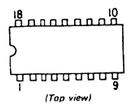
- △ : internal component.
- ▭ : nonflammable resistor.
- Switch

Ref. No.	Switch	Position
S1	MEMORY	OFF
S2	1	OFF
S3	2	OFF
S4	3	OFF
S5	4	OFF
S6	5	OFF
S7	–	OFF
S8	+	OFF
S9	BAND	FM

- ▬▬ : B+ bus.
- ▬ ▬ ▬ : B– bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal (detuned) conditions with a VOM (50 kΩ/V).
  ( ) : MW mode
  < > : LW mode
  no-mark: FM
- Voltage variations may be noted due to normal production tolerances.

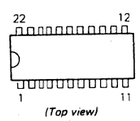
SEMICONDUCTORS

HA12046



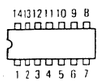
IR2E31A

LA1265



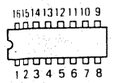
LA3160

LA3220

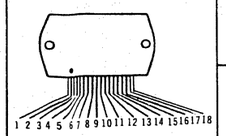


LA3401

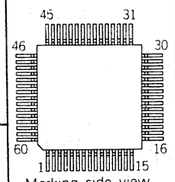
M5226P
TA7784P
TC9172P



STK4141II

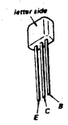


TC9302F-005

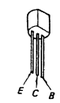


2SA988-F

2SA1175
2SC2787
2SD1020

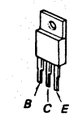


2SC535
2SC1841
2SC3112

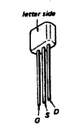


2SC2603F

2SD1585-L

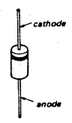


2SK193-K

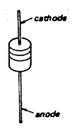


2SK246BL
2SK246GR3

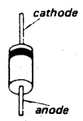
10E2Z
RD11EB2
RD11EB3



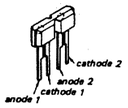
1SS202-1



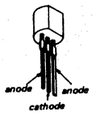
HZ6C2L
HZ16-2L



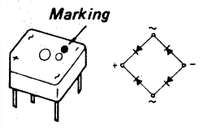
KV1236Z



KV1310

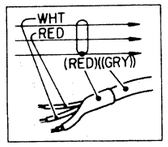


RB402



Note:

- Color code of sleeving over the end of the jacket.



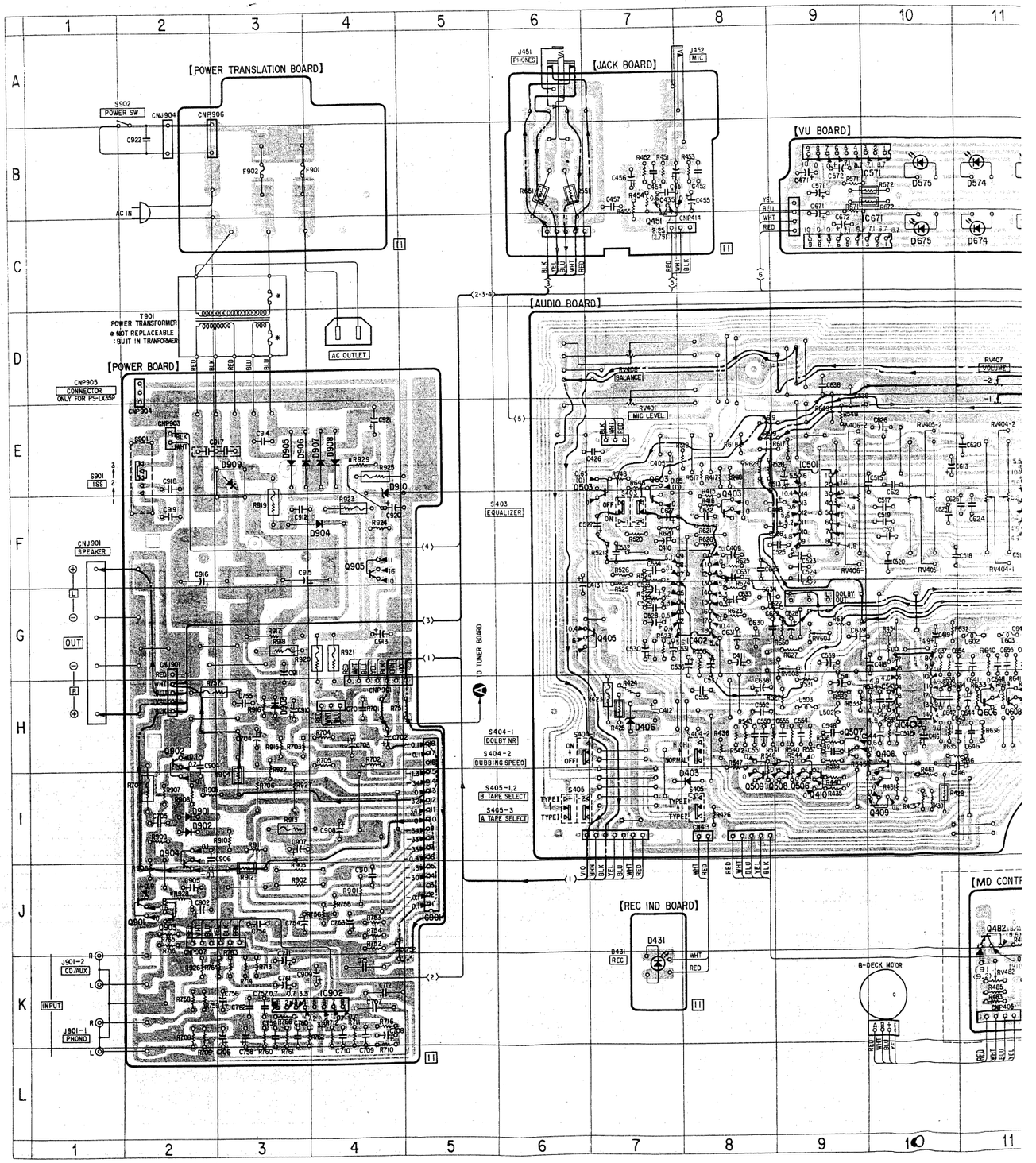
- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- ■ : part mounted on the conductor side.
- [ ]— : indicates side identified with part number.
- ▬▶▬ : signal path
- ▬▶▬ : L-CH signal path
- ▬▶▬ : R-CH signal path
- ▒ : B + pattern
- ▒ : B − pattern

●SEMICONDUCTOR LOCATION

Ref.No.	Location	Ref.No.	Location
IC401	F-16	D401	D-13
IC402	G-8	D402	D-13
IC403	H-10	D403	I-8
IC501	F-9	D404	F-14
IC571	C-10	D405	G-14
IC601	E-11	D406	H-7
IC671	C-10	D407	G-12
IC901	J-5	D408	H-12
IC902	K-4	D409	G-12
		D410	D-13
Q401	G-14	D411	G-14
Q402	F-14	D412	I-12
Q403	F-8	D431	K-7
Q404	F-14	D571	B-12
Q405	G-6	D572	B-12
Q406	G-13	D573	B-11
Q407	H-12	D574	B-11
Q408	H-10	D575	B-10
Q409	I-10	D671	C-12
Q410	I-9	D672	C-12
Q411	I-13	D673	C-11
Q412	I-13	D674	C-11
Q413	I-13	D675	C-10
Q414	I-13	D901	I-2
Q451	B-7	D902	I-2
Q481	J-12	D903	H-3
Q482	J-11	D904	F-4
Q483	J-12	D905	E-3
Q501	F-15	D906	E-3
Q502	G-15	D907	E-4
Q503	F-7	D908	E-4
Q504	F-13	D909	E-3
Q505	G-14	D910	F-4
Q506	I-9		
Q507	H-9		
Q508	I-9		
Q509	I-8		
Q601	G-16		
Q602	F-16		
Q603	F-7		
Q604	F-14		
Q605	F-14		
Q606	H-11		
Q607	H-11		
Q608	H-11		
Q609	G-12		
Q901	J-2		
Q902	H-2		
Q903	J-2		
Q905	F-4		

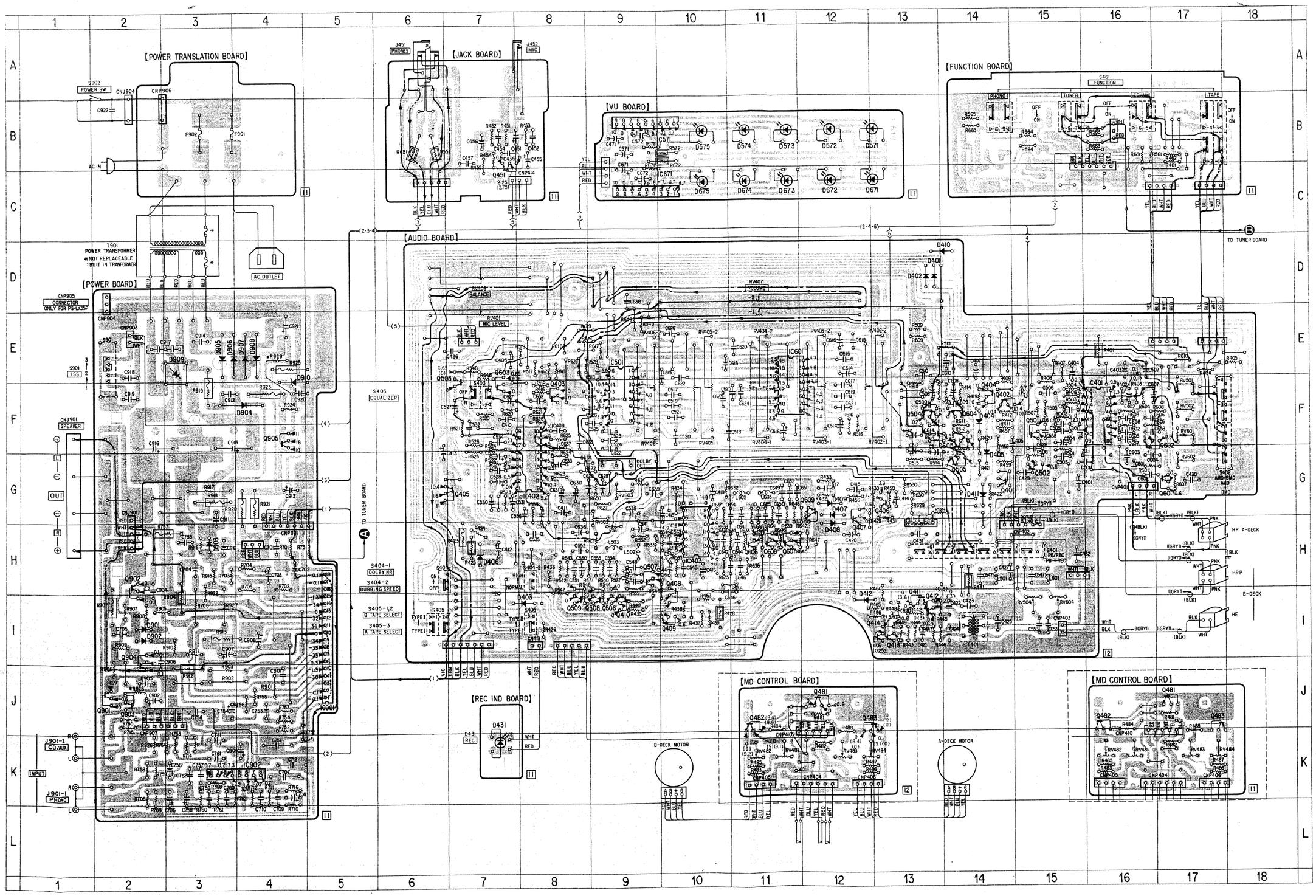
5-3. MOUNTING DIAGRAM – AUDIO SECTION –

– Conductor Side –



5-3. MOUNTING DIAGRAM – AUDIO SECTION –

– Conductor Side –



5-4. SCHEMATIC DIAGRAM — AUDIO SECTION —

●See page 30 for note

【POWER BOARD (3/4)】

【FUNCTION BOARD】

【JACK BOARD】(1/2)

【POWER BOARD (1/4)】

【MD CONTROL BOARD】

【REC IND BOARD】

IC902 LA3161 PHONO EQ

IC401 TA7784P PRE AMP

Q451 2SC2603F MIC AMP

Q502,602 2SC2603F

Q501,601 2SC2603F

Q402 2SA1175 MUTING SW

Q401 2SC2603F MUTING SW

Q404 2SA1175 DUBBING SW

Q504,Q505 Q604,Q605 2SC2603F LINE AMP

D401-405 D410-412 ISS202-1

D409 ISS202-1

Q407 2SC2603F AGC SW

D407,408 ISS202-1

Q406 2SC2603F AGC AMP

Q412 2SD1020 BIAS OSC

Q411 2SD1020 BIAS CTL

Q413 2SC2603 BIAS CTL

Q414 2SC2603F BIAS MUTE

D412 ISS202

Q481 2SC2603F SWITCHING

Q482,483 2SA1175 SPEED SELECT

D431 SEL2210S-C

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

【FUNCTION BOARD】

S461 OFF ON
S461-2 TAPE
S461-6 CD/AUX
S461-8 TUNER
S461-10 PHONO
S461-7 TUNER
S461-9 PHONO
R561 1.8k
R661 1.8k
R563 1k
R663 1k
R565 1.5k
R564 3.9k
R665 1.5k
R664 3.9k

Q504, Q505
Q604, Q605
2SC2603F
LINE AMP

Q403
2SC2603F
DOLBY SW

Q503
2SD1020
MUTING

IC501, 601
M5226P
G EQ AMP

IC402
HA12046
DOLBY AMP

Q405
2SD1585-L
REGULATOR

D406
RD11EB2

Q404
2SA1175
DUBBING SW

Q482, 483
2SA1175
SPEED SELECT

D409
ISS202-1

Q407
2SC2603F
AGC SW

D407, 408
ISS202-1

Q406
2SC2603F
AGC AMP

D431
SEL2212DS-C
REC
【REC IND BOARD】

IC403
LA3220
REC AMP

Q506
2SC2603F
REC EQ SW

Q408, 410
2SC2603F
HIGH SPEED SW

Q409
2SC2603F
NORMAL SPEED SW

Q507-509
Q607-609
2SC2603F
REC. EQ. SW

Q603
2SD1020
MUTING

IC571, 671
1R2E31A
VU METER DRV

【V.U BOARD】

D571-515
SEL2410E-C

D671-675
SEL4210E-C

B-DECK MOTOR

19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

A B C D E F G H I J

【 POWER SUPPLY BOARD (4/4) 】

【 JACK BOARD (2/2) 】

Q405 2SD1585-L REGULATOR

D406 RD11EB2

IC901 STK4141II POWER AMP

IC501 (1/2)

IC501,601 M5226P G EQ AMP

IC402 HA12046 DOLBY AMP

Q503 2SD1020 MUTING

Q408,410 2SC2603F HIGH SPEED SW

Q507-509 Q607-609 2SC2603F REC. EQ. SW

Q409 2SC2603F NORMAL SPEED SW

Q603 2SD1020 MUTING

Q902-904 2SA988 MUTING CTL

Q901 2SC1841 MUTING CTL

Q905 2SD1505-I VOLTAGE REG

D901,902 1SS202-I

D903 1SS202-I

D904 10E2N

D909 RB402 RECT

D905-908 10E2N RECT

D910 RD11EB3

【 V.U BOARD 】

IC571,671 IR2E31A VU METER DRV

D571-515 SEL2410E-C

D671-675 SEL4210E-C

【 POWER TRANSLATION BOARD 】

T901 POWER TRANSFORMER

* NOT REPLACEABLE : BUILT IN TRANSFORMER

J451 PHONES

CNJ901 SPEAKER

IMPEDANCE 6-16Ω

S401-5 REC LEVEL

RV407-1 VOLUME 50k

RV408 BALANCE 250k

S403-2 EQUALIZER ON/OFF

S401-4 REC LEVEL

RV407-2 VOLUME

S502 POWER

AC IN

AC OUTLET

CNP905 CONNECTOR ONLY FOR PS-LX35P

page 21 A TUNER +B B TUNER G C PLI +B

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/6W or less unless otherwise specified.
- ⇨ : signal path.

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- Switch with sliding contact indicated by hatched lines shows shorting type.

- Switch

Ref. No.	Switch	Position
S301	MOTOR	OFF
S302	FWD	OFF
S303	FF/REW	OFF
S401	PB/REC	OFF
S402	AMD/BMD	OFF
S403	EQUALIZER	OFF
S404-1	DOLBY NR	OFF
S404-2	DUBBING SPEED	NORMAL
S405-1,2	TAPE SELECT B	TYPE I
S405-3	TAPE SELECT A	TYPE I
S461-1-4	FUNCTION TAPE	OFF
S461-5,6	FUNCTION CD/AUX	OFF
S461-7,8	FUNCTION TUNER	OFF
S461-9,10	FUNCTION PHONO	OFF

- : B+ bus.
- : B− bus.
- : adjustment for repair.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal (detuned) conditions with a VOM (50 kΩ/V).
  ( ) : PLAY mode
  < > : RECORD mode
  no-mark: STOP mode
- Voltage variations may be noted due to normal production tolerances.

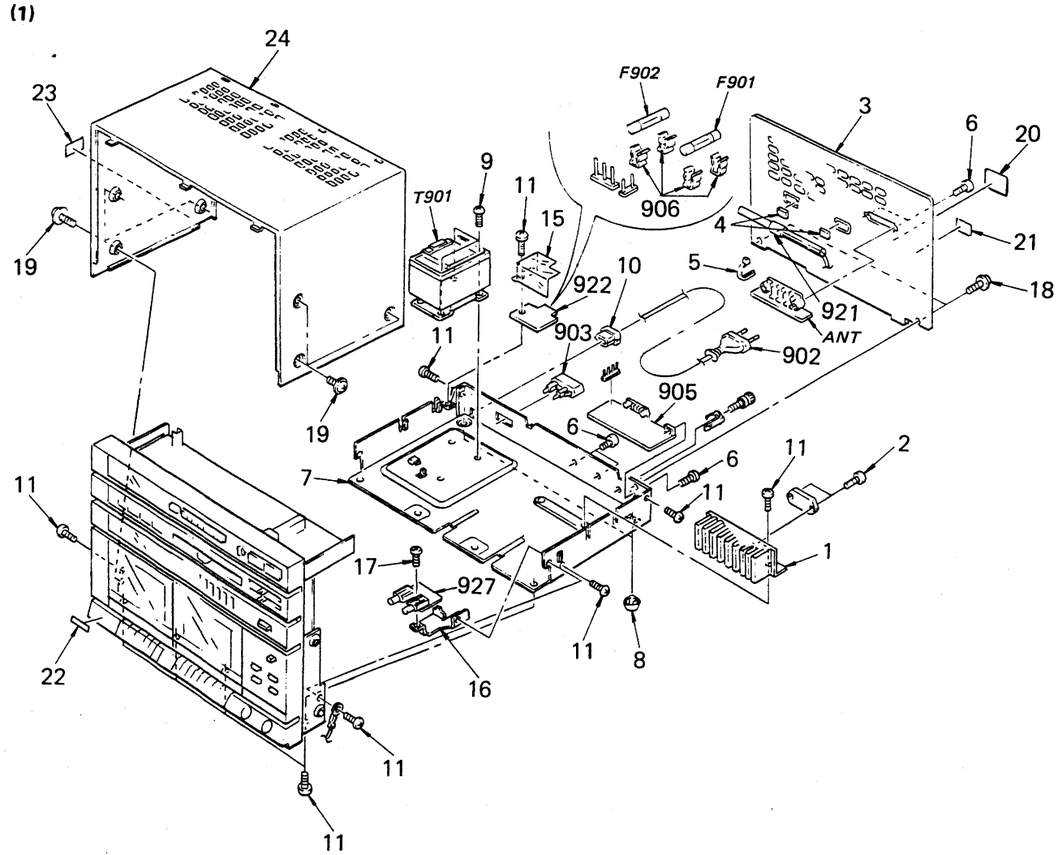
HST-750W

SECTION 6
EXPLODED VIEWS AND PARTS LIST

NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

(1)

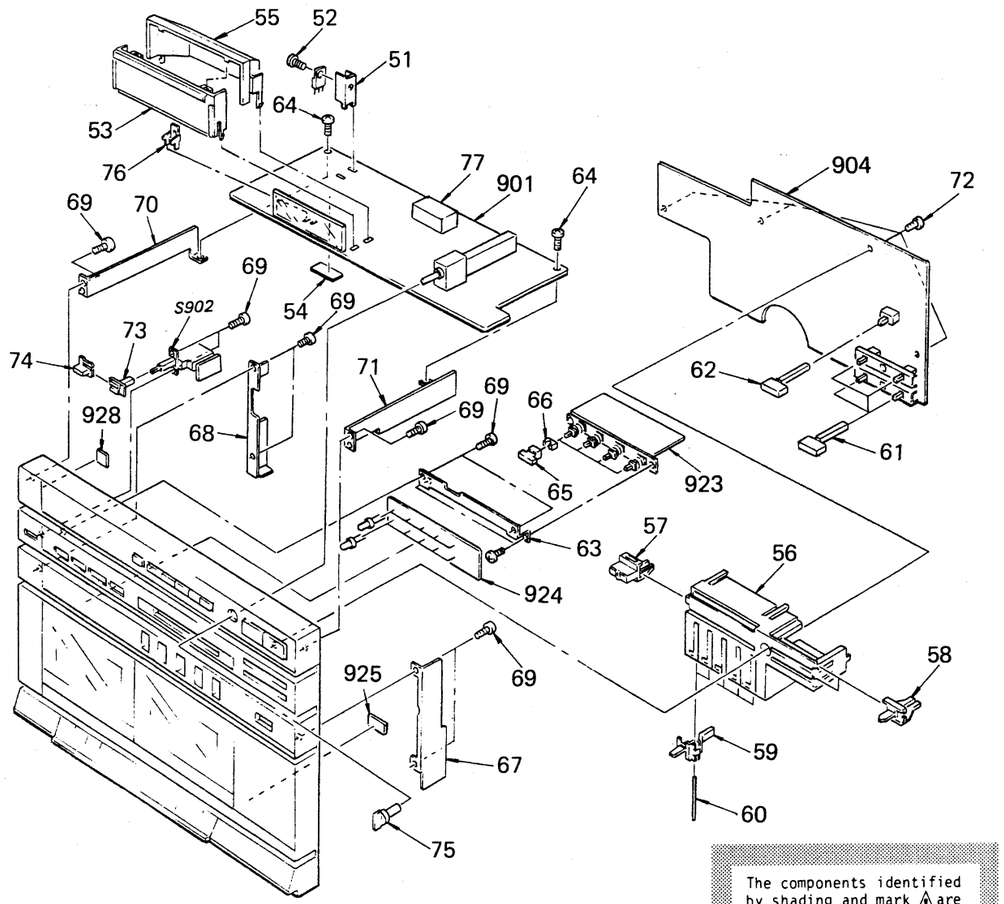


No.	Part No.	Description	Remarks
1	*4-881-415-21	HEAT SINK (A)	
2	7-685-650-71	SCREW +BVTP 3X16 TYPE2 IT-3	
3	4-914-950-11	(AEP).....BOARD, JACK	
	4-914-950-01	(UK).....BOARD, JACK	
4	*4-910-502-01	CUSHION, ANTENNA	
5	3-701-748-00	CLAMP	
6	7-685-646-71	SCREW +BVTP 3X8 TYPE2 N-S	
7	*4-914-952-11	(AEP).....CHASSIS, REAR	
	*4-914-952-01	(UK).....CHASSIS, REAR	
8	X-4864-303-0	FOOT ASSY	
9	7-685-880-01	SCREW +BVTT 4X6 (S)	
10	3-703-244-00	BUSHING (2104), CORD	
11	7-685-648-71	SCREW +BVTP 3X12 TYPE2 N-S	
15	4-914-985-02	COVER, FUSE	
16	*4-914-929-01	BRACKET, HP	
17	7-685-751-01	SCREW +PTT 3X6	
18	2-383-566-00	SCREW	
19	4-886-821-01	SCREW, M3 CASE	

No.	Part No.	Description	Remarks
20	4-914-907-01	(UK).....LABEL, MODEL NUMBER	
	*4-914-908-01	(AEP).....LABEL, MODEL NUMBER	
	4-914-910-01	(G-AEP)...LABEL, MODEL NUMBER	
21	3-703-845-01	(UK)...LABEL, MAIN CAUTION	
22	3-701-690-01	(UK)...LABEL (MADE IN JAPAN)	
23	*3-703-079-21	(UK)...LABEL, SUB CAUTION	
24	X-4914-908-1	CASE ASSY	
902	⚠1-551-908-11	(AEP)...CORD, POWER	
	⚠1-555-001-11	(UK)....CORD, POWER	
903	⚠1-526-751-11	(UK)....OUTLET, AC	
	⚠1-526-794-11	(AEP)...OUTLET, AC	
905	*A-4388-504-A	MOUNTED PCB, POWER AMP	
906	1-533-183-11	HOLDER, FUSE	
921	1-402-155-11	ANTENNA, FERRITE-ROD (LW/MW)	
922	1-618-456-11	PC BOARD, POWER TRANSLATION	
927	1-618-462-11	PC BOARD, JACK	
F901	⚠1-532-286-00	FUSE, TIME-LAG	
F902	⚠1-532-078-00	(AEP,G-AEP,UK)...FUSE, TIME-LAG	
T901	⚠1-448-484-11	(AEP,UK)...TRANSFORMER, POWER	

HST-750W

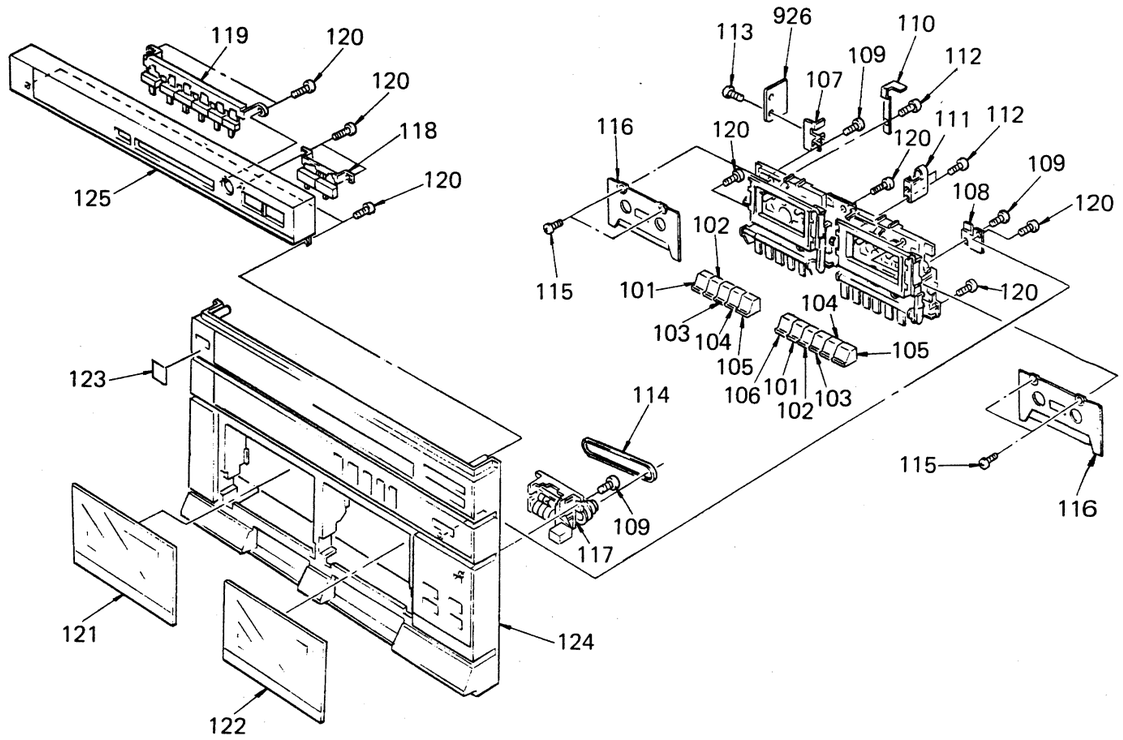
(2)



The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

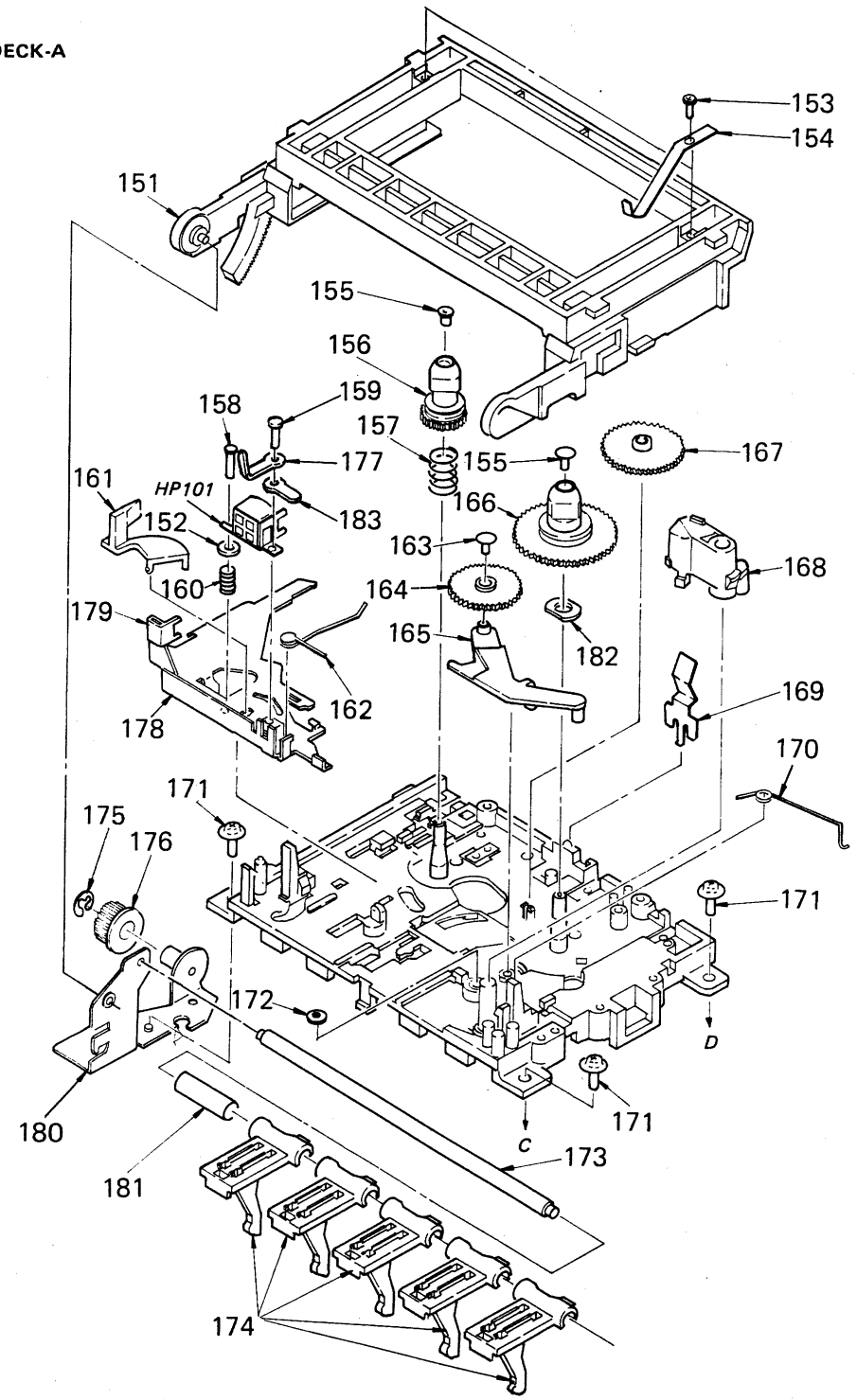
No.	Part No.	Description	Remarks
51	*4-875-327-01	HEAT SINK	
52	7-685-752-04	SCREW +BVTT 3X8 (S)	
53	*4-904-514-01	ILLUMINATOR	
54	*4-914-975-01	PLATE (B), SHIELD	
55	*4-904-515-01	HOUSE, LAMP	
56	4-914-951-01	CHASSIS, GEQ	
57	4-914-937-01	KNOB, VOL	
58	4-914-941-01	KNOB, BALANCE	
59	4-914-942-01	KNOB, GEQ	
60	*4-914-924-01	SHAFT	
61	4-914-936-01	KNOB, TAPE SELECTION	
62	4-914-935-01	KNOB, GEQ THROUGH	
63	*4-914-925-01	BRACKET, FUNCTION	
64	7-685-871-01	BVTT 3×6	
65	4-915-338-11	KNOB, SQUARE	
66	4-864-307-00	RING	
67	*4-914-939-01	BRACKET (RIGHT), PANEL	
68	*4-914-938-01	BRACKET (LEFT), PANEL	
69	7-685-646-71	SCREW +BVTP 3X8 TYPE2 N-S	
70	*4-914-927-01	BRACKET (A), PCB	
71	*4-914-928-01	BRACKET (B), PCB	
72	7-685-647-14	SCREW +BVTP 3X10 TYPE2 N-S	
73	4-875-466-00	JOINT (F2), KNOB	
74	4-907-611-01	KNOB, POWER	
75	4-888-210-11	KNOB, BAND SELECT	
76	*4-904-507-01	BLIND, LAMP	
77	*4-914-976-01	PLATE (A), SHIELD	
901	*A-4351-486-A	MOUNTED PCB, TUNER	
904	*A-4388-505-A	MOUNTED PCB, AU	
923	*1-618-458-11	PC BOARD, FUNCTION	
924	*1-618-459-11	PC BOARD, VU	
925	*1-618-460-11	PC BOARD, REC IND	
928	*1-618-466-11	PC BOARD, ST LED	
[redacted]			

(3)



No.	Part No.	Description	Remarks
101	4-914-943-01	BUTTON, PLAY	
102	4-914-932-01	BUTTON, REW	
103	4-914-931-01	BUTTON, FF	
104	4-914-933-01	BUTTON, STOP	
105	4-914-934-01	BUTTON, PAUSE	
106	4-914-930-01	BUTTON, REC	
107	*4-914-921-01	BRACKET (LEFT), MD	
108	*4-914-922-01	BRACKET (RIGHT), MD	
109	7-685-534-14	SCREW +BTP 2.6X8 TYPE2 N-S	
110	4-914-920-01	SPRING	
111	4-914-919-01	SPRING	
112	7-685-104-01	SCREW +P 2X6 TYPE1	
113	7-685-648-71	SCREW +BVTP 3X12 TYPE2 N-S	
114	4-914-973-01	BELT, SQUARE	
115	7-685-133-29	SCREW +P 2.6X6 TYPE2 SLIT	
116	4-914-974-01	PLATE, ORNAMENTAL, CASSETTE	
117	1-548-595-11	COUNTER, TAPE (NORMAL TYPE)	
118	4-914-948-01	KNOB, UP DOWN	
119	4-914-947-01	KNOB, TUNING	
120	7-685-646-71	SCREW +BVTP 3X8 TYPE2 N-S	
121	X-4914-909-1	COVER ASSY (LEFT), CASSETTE	
122	X-4914-910-1	COVER ASSY (RIGHT), CASSETTE	
123	3-703-710-41	STICKER, SONY SYMBOL (12)	
124	X-4914-917-1	FRONT PANEL ASSY	
125	X-4914-911-1	PANEL ASSY	
926	*1-618-461-11	PC BOARD, MD CONTROL	

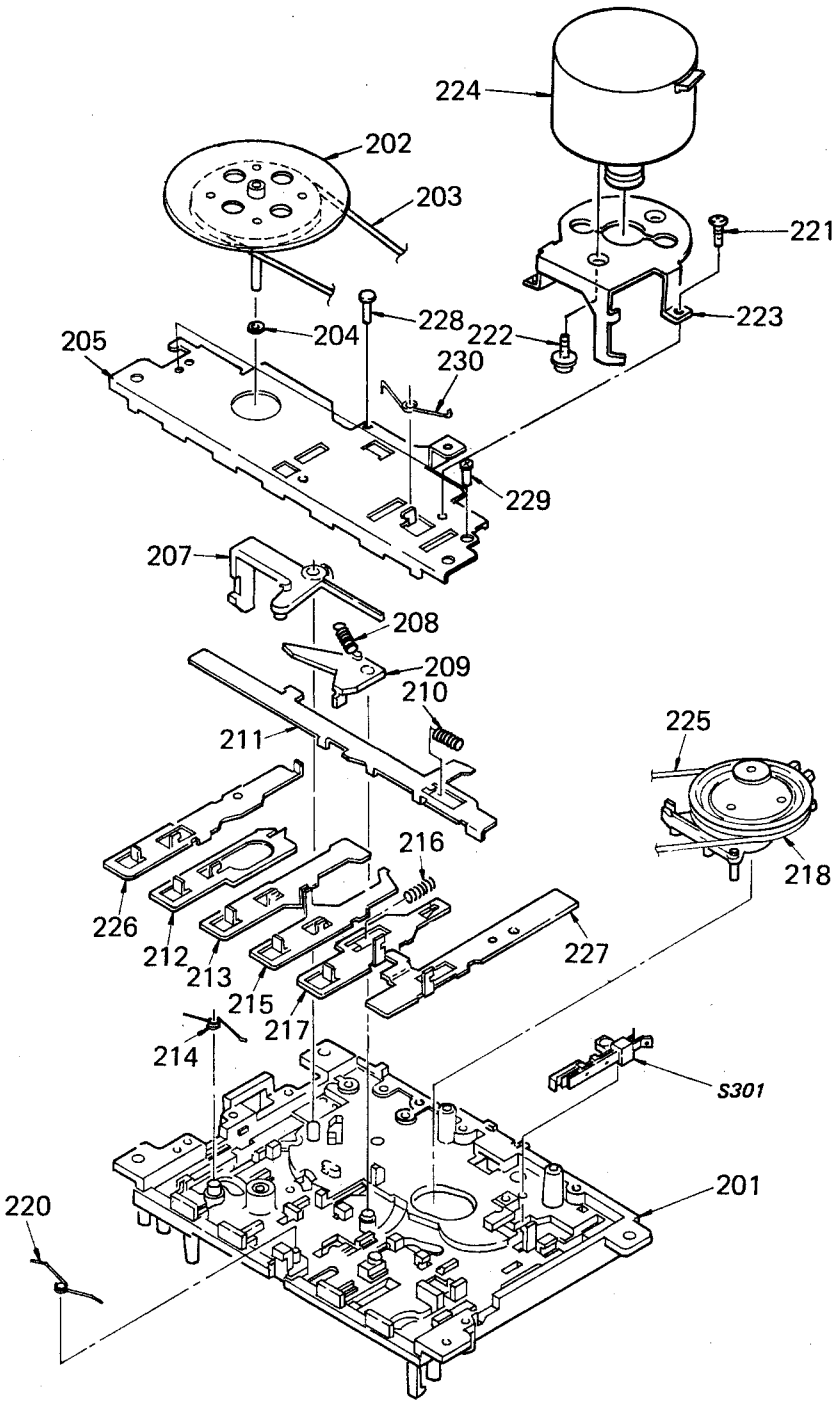
(4) DECK-A



No.	Part No.	Description	Remarks
151	3-390-801-01	CASE, CASSETTE	
153	7-685-103-14	SCREW +P 2X5 TYPE2 SLIT	
154	4-894-951-01	KEEP PLATE	
155	3-390-803-01	BUSHING (D)	
156	4-894-953-01	S REEL	
157	4-894-954-01	C SPRING	
158	7-621-905-65	SCREW, TOTSU P 2X8	
159	7-621-255-15	SCREW +P 2X3	
160	4-894-955-01	C SPRING	
161	4-894-956-01	TAPE SENSOR	
162	3-390-804-01	SPRING, PINCH ARM	
163	4-894-960-01	BUSH	
164	4-894-961-01	IDLER GEAR	

No.	Part No.	Description	Remarks
165	4-894-962-01	IDLER ARM	
166	4-894-963-01	T REEL ASSY	
167	4-894-964-01	F GEAR	
168	3-390-805-01	ROLLER ASSY, PINCH	
169	4-894-966-01	SPRING	
170	4-894-967-01	SPRING	
171	7-687-501-31	SCREW, TOTSU PTTWH 2.6X6 TYPE2	
172	4-894-969-01	N WASHER	
173	*4-894-970-01	BUTTON SHAFT W	
174	4-894-971-01	BUTTON LEVER	
177	3-390-817-01	LUG	
352	7-624-190-11	STOP RING 3, TYPE-CS	
S303	1-570-716-11	SWITCH	

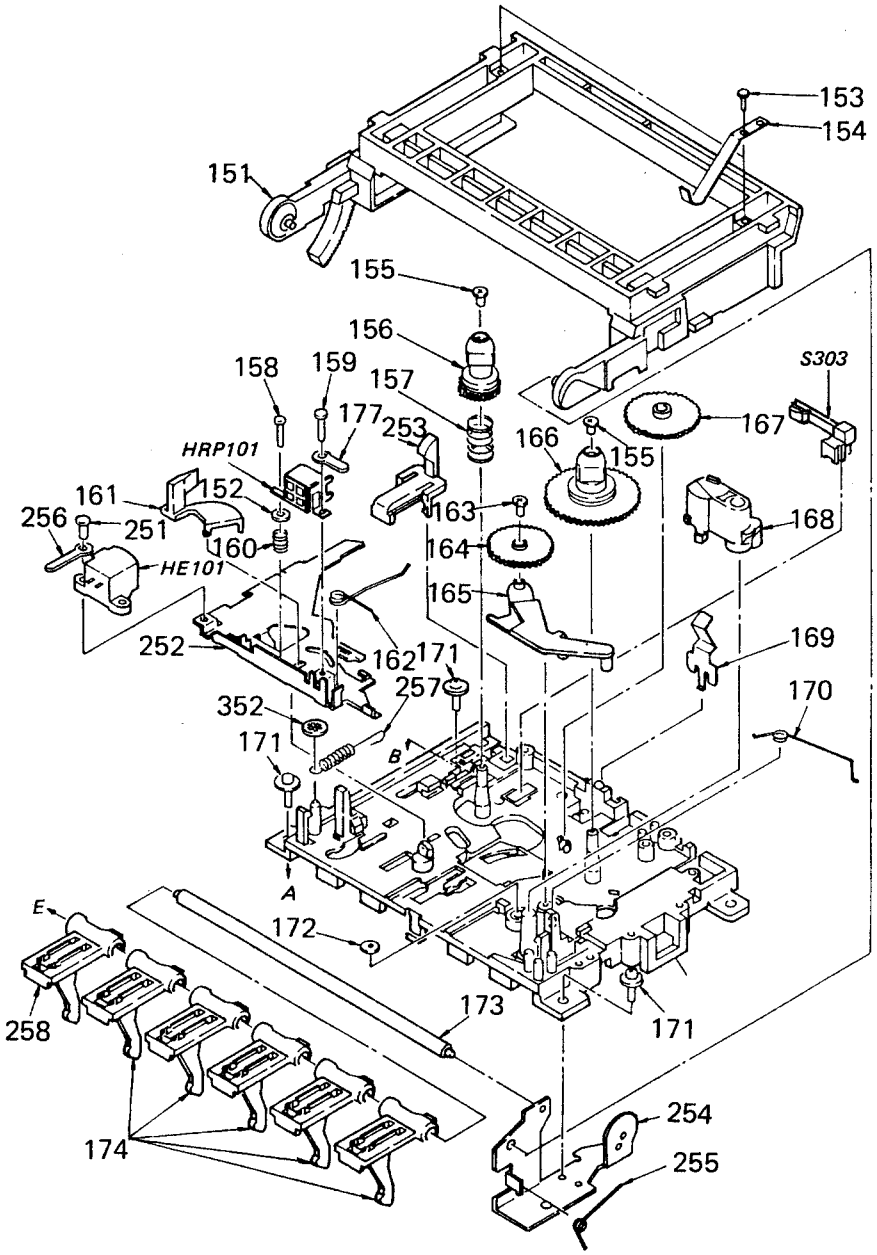
(5) DECK-A



No.	Part No.	Description	Remarks
201	4-894-968-01	CHASSIS ASSY	
202	3-390-806-01	FW ASSY	
203	3-390-807-01	BELT	
204	4-894-976-01	P WASHER	
205	*4-894-977-01	BACK PLATE	
207	*4-894-980-01	EJECT ARM	
208	3-390-809-01	SPRING	
209	4-894-982-01	S ARM	
210	4-894-983-01	C SPRING	
211	*4-894-984-01	FUNCTION LEVER	
212	4-894-987-01	S.E LEVER	
213	*4-894-988-01	FF LEVER W	
214	4-894-989-01	SPRING	
215	*4-894-990-01	REW LEVER	
216	4-894-992-01	C SPRING	

No.	Part No.	Description	Remarks
217	4-895-013-01	PLAY LEVER	
218	4-894-997-01	POWER ARM ASSY	
220	4-894-999-01	SPRING	
221	7-685-790-04	SCREW +PTT 2.6X4 (S)	
222	7-621-259-25	SCREW +P 2.6X4	
223	*3-390-814-01	BRACKET, MOTOR	
224	X-3390-801-1	MOTOR ASSY	
225	3-390-816-01	BELT, SQUARE	
226	4-895-011-01	PAUSE LEVER W	
227	4-895-012-01	SW LEVER	
228	3-390-822-01	BUSHING (C)	
229	7-685-133-29	SCREW +P 2.6X6 TYPE2 SLIT	
230	3-390-808-01	SPRING	
S301	1-570-715-11	SWITCH	

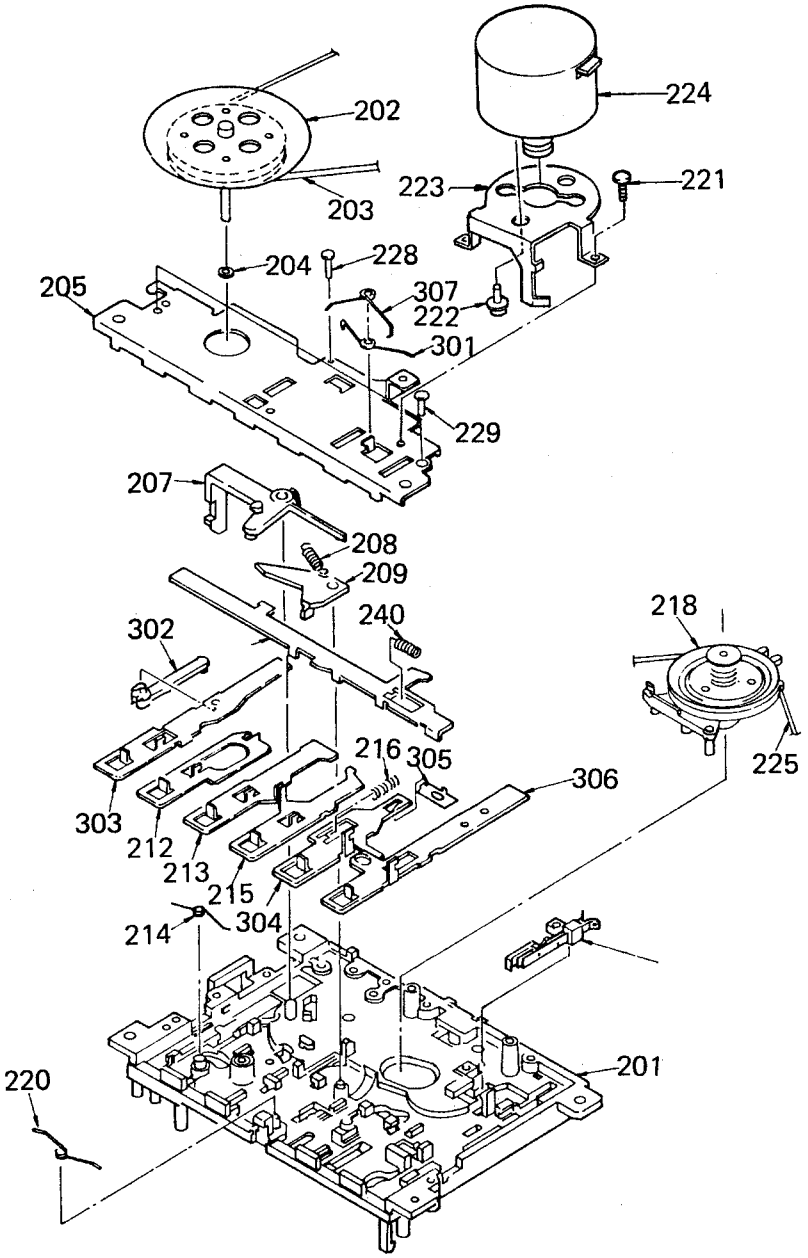
(6) DECK-B



No.	Part No.	Description	Remarks
151	3-390-801-01	CASE, CASSETTE	
152	3-390-823-01	WASHER, F	
153	7-685-103-14	SCREW +P 2X5 TYPE2 SLIT	
154	4-894-951-01	KEEP PLATE	
155	3-390-803-01	BUSHING (D)	
156	4-894-953-01	S REEL	
157	4-894-954-01	C SPRING	
158	7-621-905-65	SCREW, TOTSU P 2X8	
159	7-621-255-15	SCREW +P 2X3	
160	4-894-955-01	C SPRING	
161	4-894-956-01	TAPE SENSOR	
162	3-390-804-01	SPRING, PINCH ARM	
163	4-894-960-01	BUSH	
164	4-894-961-01	IDLER GEAR	
165	4-894-962-01	IDLER ARM	
166	4-894-963-01	T REEL ASSY	
167	4-894-964-01	F GEAR	

No.	Part No.	Description	Remarks
168	3-390-805-01	ROLLER ASSY, PINCH	
169	4-894-966-01	SPRING	
170	4-894-967-01	SPRING	
171	7-687-501-31	SCREW, TOTSU PTTWH 2.6X6 TYPE2	
172	4-894-969-01	N WASHER	
173	*4-894-970-01	BUTTON SHAFT W	
174	4-894-971-01	BUTTON LEVER	
175	7-624-106-04	STOP RING 3.0, TYPE -E	
176	4-895-001-01	GEAR	
177	3-390-817-01	LUG	
178	4-895-015-01	HEAD BASE	
179	4-895-016-01	TAPE GUIDE	
180	*4-895-017-01	BUTTON BRACKET L ASSY	
181	4-895-018-01	SPACER	
182	3-390-820-01	SPRING, LEAF	
183	3-390-821-01	SPACER	
255	4-894-973-01	SPRING	
S303	1-570-716-11	SWITCH	

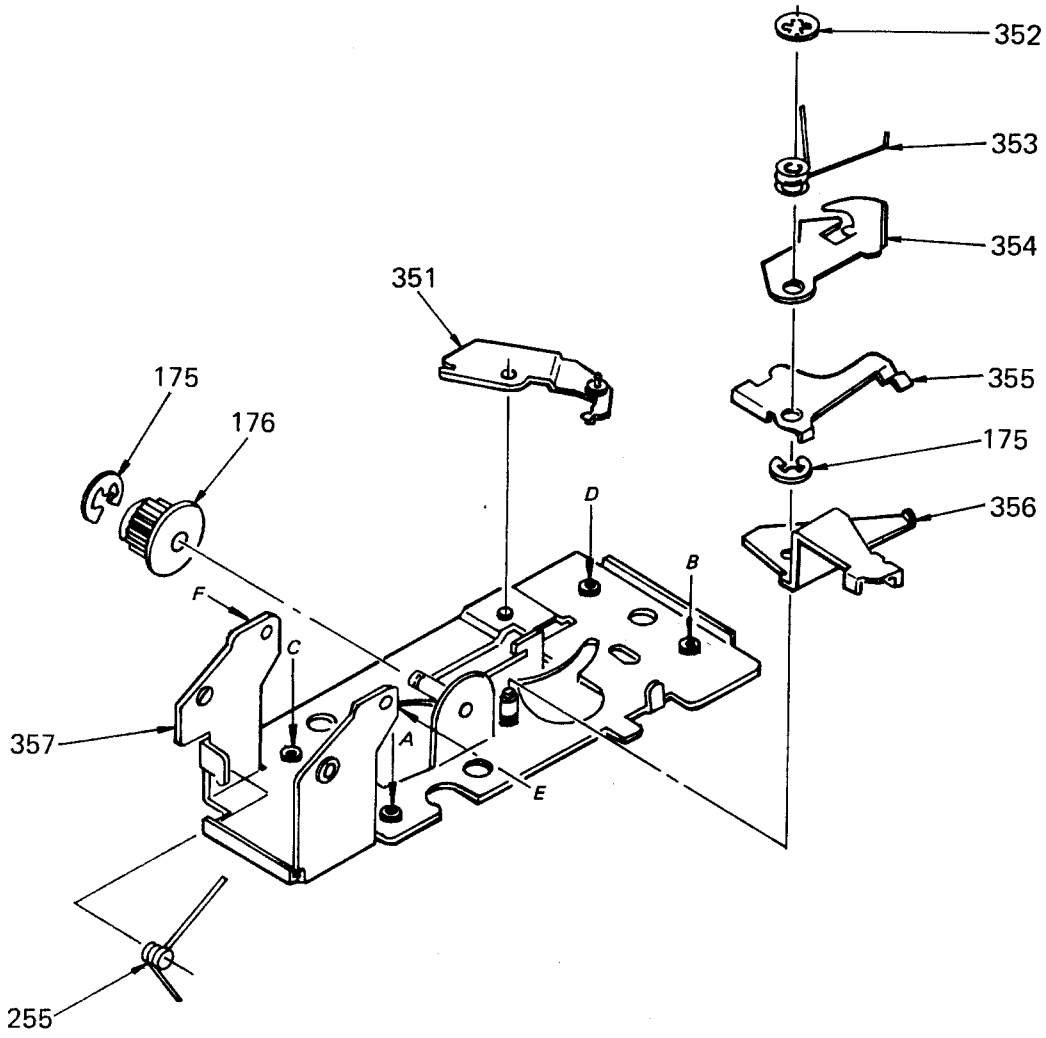
(7) DECK-B



No.	Part No.	Description	Remarks
201	4-894-968-01	CHASSIS ASSY	
202	3-390-806-01	FW ASSY	
203	3-390-807-01	BELT	
204	4-894-976-01	P WASHER	
205	*4-894-977-01	BACK PLATE	
207	*4-894-980-01	EJECT ARM	
208	3-390-809-01	SPRING	
209	4-894-982-01	S ARM	
210	4-894-983-01	C SPRING	
211	*4-894-984-01	FUNCTION LEVER	
212	4-894-987-01	S.E LEVER	
213	*4-894-988-01	FF LEVER W	
214	4-894-989-01	SPRING	
215	*4-894-990-01	REW LEVER	
216	4-894-992-01	C SPRING	
218	4-894-997-01	POWER ARM ASSY	
220	4-894-999-01	SPRING	
221	7-685-790-04	SCREW +PTT 2.6X4 (S)	
222	7-621-259-25	SCREW +P 2.6X4	
223	*3-390-814-01	BRACKET, MOTOR	

No.	Part No.	Description	Remarks
224	X-3390-801-1	MOTOR ASSY	
225	3-390-816-01	BELT, SQUARE	
229	7-685-133-29	SCREW +P 2.6X6 TYPE2 SLIT	
251	7-685-781-04	SCREW +PTT 2X4 (S)	
252	4-894-957-01	HEAD BASE B	
253	4-894-958-01	INTERLOCK ARM	
254	*4-894-972-01	BUTTON BRACKET R	
256	3-390-812-01	LUG	
257	3-390-813-01	SPRING, T.	
258	3-390-824-01	LEVER (R), BUTTON	
301	4-894-979-01	SPRING	
302	*4-894-985-01	PAUSE ARM	
303	4-894-986-01	PAUSE LEVER	
304	3-390-810-01	LEVER, PLAY	
305	3-390-811-01	LEVER, REC STOP	
306	*4-894-994-01	REC LEVER	
307	3-390-818-01	SPRING	
S302	1-570-715-11	SWITCH	

(8)



No.	Part No.	Description	Remarks
175	7-624-106-04	STOP RING 3.0, TYPE -E	
176	4-895-001-01	GEAR	
255	4-894-973-01	SPRING	
351	4-895-002-01	P CONNECT LEVER ASSY	
352	7-624-190-11	STOP RING 3, TYPE-CS	

No.	Part No.	Description	Remarks
353	4-895-003-01	SPRING	
354	4-895-004-01	LOCK PLATE	
355	4-895-005-01	UNLOCK PLATE	
356	4-895-006-01	CONNECT LEVER	
357	4-895-007-01	CONNECT PLATE A ASSY	

SECTION 7
ELECTRICAL PARTS LIST

NOTE:

- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuitsin a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms.
- F : nonflammable

COILS
- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
901	*A-4351-486-A	MOUNTED PCB. TUNER
902	⚠1-551-908-11	(AEP)...CORD. POWER
***	⚠1-555-001-11	(UK)....CORD. POWER
903	⚠1-526-751-11	(UK)....OUTLET. AC
***	⚠1-526-794-11	(AEP)...OUTLET. AC
904	*A-4388-505-A	MOUNTED PCB. AU
905	*A-4388-504-A	MOUNTED PCB. POWER AMP
906	1-533-183-11	HOLDER. FUSE
907	*1-535-139-00	BASE POST 19MM (10MM PITCH) 2P
908	1-535-416-00	TERMINAL
909	1-536-708-00	TERMINAL BOARD. PUSH 4P
910	*1-560-060-00	PIN. CONNECTOR 2P
911	*1-562-249-00	SOCKET. CONNECTOR 4P
912	*1-562-249-00	SOCKET. CONNECTOR 4P
913	*1-562-249-00	SOCKET. CONNECTOR 4P
914	*1-562-250-00	SOCKET. CONNECTOR 5P
915	*1-562-250-00	SOCKET. CONNECTOR 5P
916	*1-562-251-00	SOCKET. CONNECTOR 6P
917	*1-562-327-00	SOCKET. CONNECTOR 3P
918	*1-562-327-00	SOCKET. CONNECTOR 3P
919	*1-562-327-00	SOCKET. CONNECTOR 3P
920	*1-562-328-00	SOCKET. CONNECTOR 7P
921	1-402-155-11	ANTENNA. FERRITE-ROD (LW/MW)
922	1-618-456-11	PC BOARD. POWER TRANSLATION
923	*1-618-458-11	PC BOARD. FUNCTION
924	*1-618-459-11	PC BOARD. VU
925	*1-618-460-11	PC BOARD. REC IND
926	*1-618-461-11	PC BOARD. MD CONTROL
927	1-618-462-11	PC BOARD. JACK
928	*1-618-466-11	PC BOARD. ST LED
BA1	1-528-120-00	BATTERY. LITHIUM (CR-2025)
C1	1-102-944-00	CERAMIC 7PF 1PF 50V
C2	1-102-943-00	CERAMIC 6PF 0.5PF 50V
C3	1-101-005-00	CERAMIC 0.022MF 50V
C4	1-102-943-00	CERAMIC 6PF 0.5PF 50V
C5	1-102-935-00	CERAMIC 2PF 0.25PF 50V
C6	1-102-951-00	CERAMIC 15PF 5% 50V
C7	1-102-106-00	CERAMIC 100PF 10% 50V
C8	1-101-005-00	CERAMIC 0.022MF 50V
C9	1-102-934-00	CERAMIC 1PF 0.25PF 50V
C10	1-102-934-00	CERAMIC 1PF 0.25PF 50V
C11	1-102-857-00	CERAMIC 6PF 0.5PF 50V
C12	1-102-746-00	CERAMIC 8PF 0.5PF 50V
C13	1-102-518-00	CERAMIC 33PF 5% 50V
C14	1-102-851-00	CERAMIC 15PF 5% 50V
C15	1-161-013-00	CERAMIC 0.01MF 10% 25V

ELECTRICAL PARTS

Ref.No.	Part No.	Description		
C16	1-101-005-00	CERAMIC	0.022MF	50V
C21	1-102-965-00	CERAMIC	39PF 5%	50V
C22	1-161-041-00	CERAMIC	0.0015MF 10%	25V
C23	1-161-042-00	CERAMIC	0.0018MF 10%	25V
C25	1-161-059-00	CERAMIC	0.047MF 10%	25V
C26	1-101-005-00	CERAMIC	0.022MF	50V
C27	1-102-528-00	CERAMIC	91PF 5%	50V
C28	1-103-707-00	POLYSTYRENE	180PF 5%	50V
C29	1-102-745-00	CERAMIC	7PF 0.5PF	50V
C30	1-104-069-00	POLYSTYRENE	470PF 5%	50V
C31	1-101-004-00	CERAMIC	0.01MF	50V
C32	1-123-369-00	ELECT	4.7MF 20%	50V
C41	1-101-004-00	CERAMIC	0.01MF	50V
C42	1-101-004-00	CERAMIC	0.01MF	50V
C43	1-101-005-00	CERAMIC	0.022MF	50V
C44	1-161-059-00	CERAMIC	0.047MF 10%	25V
C45	1-161-059-00	CERAMIC	0.047MF 10%	25V
C46	1-161-055-00	CERAMIC	0.022MF 10%	25V
C47	1-123-332-00	ELECT	47MF 20%	16V
C48	1-123-356-00	ELECT	10MF 20%	16V
C49	1-102-963-00	CERAMIC	33PF 5%	50V
C50	1-123-356-00	ELECT	10MF 20%	16V
C51	1-161-055-00	CERAMIC	0.022MF 10%	25V
C52	1-161-023-00	CERAMIC	0.068MF 10%	25V
C53	1-123-356-00	ELECT	10MF 20%	16V
C54	1-101-880-00	CERAMIC	47PF 5%	50V
C55	1-101-004-00	CERAMIC	0.01MF	50V
C56	1-123-356-00	ELECT	10MF 20%	16V
C57	1-123-382-00	ELECT	3.3MF 20%	50V
C58	1-123-369-00	ELECT	4.7MF 20%	50V
C59	1-101-006-00	CERAMIC	0.047MF	50V
C60	1-101-005-00	CERAMIC	0.022MF	50V
C61	1-102-112-00	CERAMIC	330PF 10%	50V
C62	1-123-356-00	ELECT	10MF 20%	16V
C63	1-102-111-00	CERAMIC	270PF 10%	50V
C64	1-102-111-00	CERAMIC	270PF 10%	50V
C65	1-123-608-00	ELECT	0.22MF 20%	50V
C66	1-123-608-00	ELECT	0.22MF 20%	50V
C67	1-161-039-00	CERAMIC	0.001MF 10%	25V
C68	1-161-039-00	CERAMIC	0.001MF 10%	25V
C69	1-123-369-00	ELECT	4.7MF 20%	50V
C70	1-123-379-00	ELECT	0.47MF 20%	50V
C71	1-123-380-00	ELECT	1MF 20%	50V
C72	1-161-059-00	CERAMIC	0.047MF 10%	25V
C73	1-123-608-00	ELECT	0.22MF 20%	50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C74	1-123-382-00	ELECT	3.3MF	20%	50V
C75	1-123-332-00	ELECT	47MF	20%	16V
C76	1-101-004-00	CERAMIC	0.01MF		50V
C77	1-123-607-00	ELECT	0.1MF	20%	50V
C101	1-102-852-00	CERAMIC	47PF	5%	50V
C102	1-102-852-00	CERAMIC	47PF	5%	50V
C103	1-101-004-00	CERAMIC	0.01MF		50V
C104	1-123-298-00	ELECT	470MF	20%	6.3V
C105	1-161-013-00	CERAMIC	0.01MF	10%	25V
C106	1-161-013-00	CERAMIC	0.01MF	10%	25V
C107	1-161-039-00	CERAMIC	0.001MF	10%	25V
C108	1-101-004-00	CERAMIC	0.01MF		50V
C109	1-123-356-00	ELECT	10MF	20%	16V
C110	1-101-004-00	CERAMIC	0.01MF		50V
C111	1-123-332-00	ELECT	47MF	20%	16V
C112	1-136-171-00	FILM	0.33MF	5%	50V
C113	1-101-005-00	CERAMIC	0.022MF		50V
C114	1-123-609-00	ELECT	0.33MF	20%	50V
C115	1-123-609-00	ELECT	0.33MF	20%	50V
C116	1-101-005-00	CERAMIC	0.022MF		50V
C117	1-123-609-00	ELECT	0.33MF	20%	50V
C120	1-161-055-00	CERAMIC	0.022MF	10%	25V
C121	1-161-055-00	CERAMIC	0.022MF	10%	25V
C122	1-161-055-00	CERAMIC	0.022MF	10%	25V
C123	1-161-055-00	CERAMIC	0.022MF	10%	25V
C124	1-161-055-00	CERAMIC	0.022MF	10%	25V
C151	1-101-005-00	CERAMIC	0.022MF		50V
C152	1-123-356-00	ELECT	10MF	20%	25V
C153	1-123-380-00	ELECT	1MF	20%	50V
C154	1-101-005-00	CERAMIC	0.022MF		50V
C155	1-123-345-00	ELECT	100MF	20%	35V
C156	1-123-323-00	ELECT	470MF	20%	16V
C401	1-123-309-00	ELECT	330MF	20%	10V
C402	1-123-356-00	ELECT	10MF	20%	16V
C403	1-123-308-00	ELECT	220MF	20%	10V
C404	1-123-307-00	ELECT	100MF	20%	10V
C405	1-123-380-00	ELECT	1MF	20%	50V
C406	1-123-369-00	ELECT	4.7MF	20%	25V
C407	1-123-309-00	ELECT	330MF	20%	10V
C408	1-123-332-00	ELECT	47MF	20%	16V
C409	1-123-356-00	ELECT	10MF	20%	16V
C410	1-123-307-00	ELECT	100MF	20%	10V
C411	1-123-332-00	ELECT	47MF	20%	16V
C412	1-123-321-00	ELECT	220MF	20%	16V
C413	1-123-321-00	ELECT	220MF	20%	16V
C414	1-123-380-00	ELECT	1MF	20%	50V
C415	1-123-356-00	ELECT	10MF	20%	16V
C416	1-123-308-00	ELECT	220MF	20%	10V
C417	1-123-307-00	ELECT	100MF	20%	10V
C418	1-123-381-00	ELECT	2.2MF	20%	50V
C419	1-123-308-00	ELECT	220MF	20%	10V
C420	1-123-356-00	ELECT	10MF	20%	16V
C421	1-123-330-00	ELECT	22MF	20%	16V
C422	1-130-483-00	MYLAR	0.01MF	5%	50V
C423	1-130-477-00	MYLAR	0.0033MF	5%	50V
C424	1-123-381-00	ELECT	2.2MF	20%	50V
C425	1-130-295-00	FILM	0.0082MF	5%	100V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C426	1-102-074-00	CERAMIC	0.001MF	10%	50V
C427	1-102-074-00	CERAMIC	0.001MF	10%	50V
C428	1-102-074-00	CERAMIC	0.001MF	10%	50V
C429	1-102-074-00	CERAMIC	0.001MF	10%	50V
C430	1-102-074-00	CERAMIC	0.001MF	10%	50V
C431	1-102-074-00	CERAMIC	0.001MF	10%	50V
C432	1-102-074-00	CERAMIC	0.001MF	10%	50V
C451	1-123-380-00	ELECT	1MF	20%	50V
C452	1-102-116-00	CERAMIC	680PF	10%	50V
C453	1-102-074-00	CERAMIC	0.001MF	10%	50V
C454	1-102-074-00	CERAMIC	0.001MF	10%	50V
C455	1-123-380-00	ELECT	1MF	20%	50V
C456	1-123-307-00	ELECT	100MF	20%	10V
C457	1-102-074-00	CERAMIC	0.001MF	10%	50V
C471	1-123-821-00	ELECT	47MF	20%	16V
C481	1-123-330-00	ELECT	22MF	20%	16V
C482	1-123-330-00	ELECT	22MF	20%	16V
C501	1-102-110-00	CERAMIC	220PF	10%	50V
C502	1-102-112-00	CERAMIC	330PF	10%	50V
C503	1-102-115-00	CERAMIC	560PF	10%	50V
C504	1-123-330-00	ELECT	22MF	20%	16V
C505	1-130-483-00	MYLAR	0.01MF	5%	50V
C506	1-130-483-00	MYLAR	0.01MF	5%	50V
C507	1-123-369-00	ELECT	4.7MF	20%	25V
C508	1-123-380-00	ELECT	1MF	20%	50V
C509	1-102-074-00	CERAMIC	0.001MF	10%	50V
C510	1-102-110-00	CERAMIC	220PF	10%	50V
C511	1-123-382-00	ELECT	3.3MF	20%	50V
C512	1-123-382-00	ELECT	3.3MF	20%	50V
C513	1-123-330-00	ELECT	22MF	20%	16V
C514	1-123-902-00	ELECT	0.68MF	20%	50V
C515	1-136-160-00	MYLAR	0.039MF	5%	50V
C516	1-123-608-00	ELECT	0.22MF	20%	50V
C517	1-130-484-00	MYLAR	0.012MF	5%	50V
C518	1-130-493-00	MYLAR	0.068MF	5%	50V
C519	1-130-478-00	MYLAR	0.0039MF	5%	50V
C520	1-130-487-00	MYLAR	0.022MF	5%	50V
C521	1-130-472-00	MYLAR	0.0012MF	5%	50V
C522	1-130-481-00	MYLAR	0.0068MF	5%	50V
C523	1-102-113-00	CERAMIC	390PF	10%	50V
C524	1-102-106-00	CERAMIC	100PF	10%	50V
C525	1-102-074-00	CERAMIC	0.001MF	10%	50V
C526	1-123-382-00	ELECT	3.3MF	20%	50V
C527	1-123-382-00	ELECT	3.3MF	20%	50V
C528	1-127-506-00	ELECT(SOLID)	1MF	20%	25V
C529	1-130-486-00	MYLAR	0.018MF	5%	50V
C530	1-127-503-00	ELECT(SOLID)	0.33MF	20%	25V
C531	1-127-506-00	ELECT(SOLID)	1MF	20%	25V
C532	1-102-114-00	CERAMIC	470PF	10%	50V
C533	1-123-369-00	ELECT	4.7MF	20%	25V
C534	1-130-479-00	MYLAR	0.0047MF	5%	50V
C535	1-130-489-00	MYLAR	0.033MF	5%	50V
C536	1-123-380-00	ELECT	1MF	20%	50V
C537	1-123-380-00	ELECT	1MF	20%	50V
C538	1-102-114-00	CERAMIC	470PF	10%	50V
C539	1-123-380-00	ELECT	1MF	20%	50V
C541	1-123-330-00	ELECT	22MF	20%	16V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C542	1-130-475-00	MYLAR	0.0022MF	5%	50V
C543	1-102-963-00	CERAMIC	33PF	5%	50V
C544	1-123-382-00	ELECT	3.3MF	20%	50V
C545	1-130-489-00	MYLAR	0.033MF	5%	50V
C546	1-102-114-00	CERAMIC	470PF	10%	50V
C547	1-102-110-00	CERAMIC	220PF	10%	50V
C548	1-130-488-00	MYLAR	0.027MF	5%	50V
C549	1-130-485-00	MYLAR	0.015MF	5%	50V
C550	1-130-485-00	MYLAR	0.015MF	5%	50V
C551	1-130-479-00	MYLAR	0.0047MF	5%	50V
C552	1-130-483-00	MYLAR	0.01MF	5%	50V
C553	1-101-888-00	CERAMIC	68PF	5%	50V
C554	1-130-484-00	MYLAR	0.012MF	5%	50V
C555	1-130-481-00	MYLAR	0.0068MF	5%	50V
C556	1-102-106-00	CERAMIC	100PF	10%	50V
C557	1-102-106-00	CERAMIC	100PF	10%	50V
C558	1-102-074-00	CERAMIC	0.001MF	10%	50V
C571	1-123-611-00	ELECT	1MF	20%	50V
C572	1-123-616-00	ELECT	4.7MF	20%	25V
C701	1-161-319-00	CERAMIC	470PF	10%	50V
C702	1-123-380-00	ELECT	1MF	20%	50V
C703	1-123-307-00	ELECT	100MF	20%	6.3V
C704	1-123-306-00	ELECT	47MF	20%	10V
C705	1-136-165-00	FILM	0.1MF	5%	50V
C706	1-123-380-00	ELECT	1MF	20%	50V
C707	1-161-319-00	CERAMIC	470PF	10%	50V
C708	1-123-306-00	ELECT	47MF	20%	10V
C709	1-130-488-00	MYLAR	0.027MF	5%	50V
C710	1-130-481-00	MYLAR	0.0068MF	5%	50V
C711	1-123-382-00	ELECT	3.3MF	20%	50V
C712	1-161-259-00	CERAMIC	10PF	5%	50V
C901	1-136-165-00	FILM	0.1MF	5%	50V
C902	1-123-356-00	ELECT	10MF	20%	35V
C904	1-161-056-00	CERAMIC	0.027MF	10%	50V
C905	1-123-382-00	ELECT	3.3MF	20%	50V
C906	1-161-056-00	CERAMIC	0.027MF	10%	50V
C907	1-123-356-00	ELECT	10MF	20%	50V
C908	1-123-345-00	ELECT	100MF	20%	35V
C909	1-123-321-00	ELECT	220MF	20%	16V
C910	1-123-359-00	ELECT	47MF	20%	35V
C911	1-123-359-00	ELECT	47MF	20%	35V
C912	1-101-004-00	CERAMIC	0.01MF		50V
C913	1-123-324-00	ELECT	1000MF	20%	16V
C914	1-101-004-00	CERAMIC	0.01MF		50V
C915	1-124-362-00	ELECT	4700MF	20%	42V
C916	1-124-362-00	ELECT	4700MF	20%	42V
C917 ⚠	1-102-394-00	CERAMIC	0.01MF		250V
C918	1-106-172-00	MYLAR	0.001MF	5%	100V
C919	1-106-176-00	MYLAR	0.0015MF	5%	100V
C920	1-123-332-00	ELECT	47MF	20%	16V
C921	1-123-338-00	ELECT	2200MF	20%	25V
C922	1-161-744-00	CAP.CERAMIC	0.01		
CF1	1-527-968-11	FILTER. CERAMIC			
CF2	1-527-968-11	FILTER. CERAMIC			
CF3	1-527-937-00	FILTER. CERAMIC			
CF4	1-527-981-00	FILTER. CERAMIC			
CF5	1-567-250-11	OSCILLATOR. CERAMIC			

ELECTRICAL PARTS

Ref.No.	Part No.	Description
CNJ901	1-536-705-00	TERMINAL BOARD (SP)
CNP3	*1-560-062-00	PIN. CONNECTOR 4P
CNP401	*1-564-440-11	PLUG. CONNECTOR (2.5MM) 4P
CNP402	*1-564-442-11	PLUG. CONNECTOR (2.5MM) 6P
CNP403	*1-564-450-11	PLUG. CONNECTOR (2.5MM) 2P
CNP404	*1-564-442-11	PLUG. CONNECTOR (2.5MM) 6P
CNP405	*1-564-440-11	PLUG. CONNECTOR (2.5MM) 4P
CNP406	*1-564-440-11	PLUG. CONNECTOR (2.5MM) 4P
CNP407	*1-564-353-00	PLUG. CONNECTOR (2.5MM) 2P
CNP410	*1-564-441-11	PLUG. CONNECTOR (2.5MM) 5P
CNP411	*1-564-354-00	PLUG. CONNECTOR (2.5MM) 3P
CNP413	*1-564-353-00	PLUG. CONNECTOR (2.5MM) 2P
CNP414	*1-564-354-00	PLUG. CONNECTOR (2.5MM) 3P
CNP415	*1-564-354-00	PLUG. CONNECTOR (2.5MM) 3P
CNP901	*1-564-443-11	PLUG. CONNECTOR (2.5MM) 7P
CNP902	*1-535-118-00	TERMINAL
CNP903	*1-564-353-00	PLUG. CONNECTOR (2.5MM) 2P
CNP905	1-564-358-00	PIN. CONNECTOR 3P
CNP906	*1-508-786-00	2P PLUG (M)
CNP907	*1-562-250-00	SOCKET. CONNECTOR 5P
CNP910	*1-535-141-00	BASE POST 22MM (10MM PITCH) 4P
CT1	1-141-171-00	CAP. TRIMMER 20P
CT2	1-141-171-00	CAP. TRIMMER 20P
CT3	1-141-180-00	CAP. TRIMMER 15P
CT4	1-141-180-00	CAP. TRIMMER 15P
D1	8-719-918-45	DIODE KV1310
D2	8-719-918-45	DIODE KV1310
D3	8-719-918-45	DIODE KV1310
D4	8-719-902-79	DIODE KV1236Z
D5	8-719-901-62	DIODE HZ16-2L
D6	8-719-910-68	DIODE HZ6C2L
D7	8-719-107-94	DIODE 1SS202-1
D8	8-719-107-94	DIODE 1SS202-1
D9	8-719-107-94	DIODE 1SS202-1
D10	8-719-107-94	DIODE 1SS202-1
D11	8-719-107-94	DIODE 1SS202-1
D12	8-719-107-94	DIODE 1SS202-1
D13	8-719-107-94	DIODE 1SS202-1
D14	8-719-107-94	DIODE 1SS202-1
D15	8-719-107-94	DIODE 1SS202-1
D16	8-719-107-94	DIODE 1SS202-1
D17	8-719-107-94	DIODE 1SS202-1
D18	8-719-107-94	DIODE 1SS202-1
D20	8-719-107-94	DIODE 1SS202-1
D21	8-719-107-94	DIODE 1SS202-1
D22	8-719-107-94	DIODE 1SS202-1
D23	8-719-107-94	DIODE 1SS202-1
D25	8-719-107-94	DIODE 1SS202-1
D26	8-719-107-94	DIODE 1SS202-1
D28	8-719-107-94	DIODE 1SS202-1
D29	8-719-107-94	DIODE 1SS202-1
D36	8-719-301-38	DIODE SEL2210S-C
D351	8-719-918-45	DIODE KV1310
D352	8-719-918-45	DIODE KV1310
D353	8-719-918-45	DIODE KV1310
D401	8-719-107-94	DIODE 1SS202-1

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
D402	8-719-107-94	DIODE 1SS202-1
D403	8-719-107-94	DIODE 1SS202-1
D404	8-719-107-94	DIODE 1SS202-1
D405	8-719-107-94	DIODE 1SS202-1
D406	8-719-100-61	DIODE RD11EB2
D407	8-719-107-94	DIODE 1SS202-1
D408	8-719-107-94	DIODE 1SS202-1
D409	8-719-107-94	DIODE 1SS202-1
D410	8-719-107-94	DIODE 1SS202-1
D411	8-719-107-94	DIODE 1SS202-1
D412	8-719-107-94	DIODE 1SS202-1
D901	8-719-107-94	DIODE 1SS202-1
D902	8-719-107-94	DIODE 1SS202-1
D903	8-719-107-94	DIODE 1SS202-1
D904	8-719-200-77	DIODE 10E2Z
D905	8-719-200-77	DIODE 10E2Z
D906	8-719-200-77	DIODE 10E2Z
D907	8-719-200-77	DIODE 10E2Z
D908	8-719-200-77	DIODE 10E2Z
D909	8-719-300-57	DIODE RB402
D910	8-719-100-62	DIODE RD11EB3
F901	⚠1-532-286-00	FUSE. TIME-LAG
F902	⚠1-532-078-00	FUSE. TIME-LAG
HE101	1-543-261-11	HEAD. ERASE (886-01-24)
HP101	1-543-260-11	HEAD. REC/PB (223-30-46)
HRP101	1-543-260-11	HEAD. REC/PB (223-30-46)
IC1	8-759-801-81	IC LA1265
IC2	8-759-801-80	IC LA3401
IC3	8-759-202-63	IC TC9172P
IC4	8-759-204-24	IC TC9302F-005
IC401	8-759-206-23	IC TA7784P
IC402	8-759-301-21	IC HA12046
IC403	8-759-800-92	IC LA3220
IC501	8-759-602-04	IC M5226P
IC571	8-759-917-42	IC IR2E31A
IC601	8-759-602-04	IC M5226P
IC671	8-759-917-42	IC IR2E31A
IC901	8-759-941-41	IC STK4141II
IC902	8-759-800-66	IC LA3160
J451	1-507-825-00	JACK. LARGE TYPE
J452	1-507-826-00	JACK. LARGE TYPE
J901	1-507-908-11	JACK. PIN 4P
L1	*1-422-263-11	COIL. AIR-CORE
L2	*1-422-080-00	COIL (WITH CORE)
L3	*1-422-112-00	COIL. AIR-CORE
L4	*1-422-080-00	COIL (WITH CORE)
L5	1-408-555-00	MICRO INDUCTOR 2.2UH
L6	*1-459-396-00	COIL (WITH CORE)
L7	1-402-071-11	COIL (ANT)
L8	1-406-090-11	COIL (OSC)
L9	1-402-069-11	COIL (ANT)
L10	1-406-089-11	COIL (OSC)
L11	1-408-579-00	MICRO INDUCTOR 220UH
L12	1-408-920-00	MICRO INDUCTOR 4.7MMH
L501	1-408-924-00	MICRO INDUCTOR 10MMH
L502	1-408-920-00	MICRO INDUCTOR 4.7MMH
L503	1-408-914-11	MICRO INDUCTOR 1.5MMH

ELECTRICAL PARTS

Ref.No.	Part No.	Description
L601	1-408-924-00	MICRO INDUCTOR 10MMH
L602	1-408-920-00	MICRO INDUCTOR 4.7MMH
L603	1-408-914-11	MICRO INDUCTOR 1.5MMH
LCD1	1-806-874-11	INDICATOR. L-CRYSTAL LT5056
LPF1	1-235-221-00	FILTER. LOW PASS
PL1	1-518-511-51	LAMP. PILOT
Q1	8-729-119-35	TRANSISTOR 2SK193-K
Q2	8-729-353-52	TRANSISTOR 2SC535
Q3	8-729-178-73	TRANSISTOR 2SC2787
Q4	8-729-178-73	TRANSISTOR 2SC2787
Q5	8-729-178-73	TRANSISTOR 2SC2787
Q6	8-729-202-67	TRANSISTOR 2SK246GR3
Q7	8-729-201-83	TRANSISTOR 2SC3112
Q8	8-729-202-67	TRANSISTOR 2SK246GR3
Q9	8-729-201-83	TRANSISTOR 2SC3112
Q10	8-729-606-33	TRANSISTOR 2SC2603F
Q11	8-729-606-33	TRANSISTOR 2SC2603F
Q12	8-729-107-25	TRANSISTOR 2SD1585-L
Q13	8-729-224-63	TRANSISTOR 2SK246BL
Q401	8-729-606-33	TRANSISTOR 2SC2603F
Q402	8-729-117-54	TRANSISTOR 2SA1175
Q403	8-729-606-33	TRANSISTOR 2SC2603F
Q404	8-729-117-54	TRANSISTOR 2SA1175
Q405	8-729-107-25	TRANSISTOR 2SD1585-L
Q406	8-729-606-33	TRANSISTOR 2SC2603F
Q407	8-729-606-33	TRANSISTOR 2SC2603F
Q408	8-729-606-33	TRANSISTOR 2SC2603F
Q409	8-729-606-33	TRANSISTOR 2SC2603F
Q410	8-729-606-33	TRANSISTOR 2SC2603F
Q411	8-729-102-03	TRANSISTOR 2SD1020
Q412	8-729-102-03	TRANSISTOR 2SD1020
Q413	8-729-606-33	TRANSISTOR 2SC2603F
Q414	8-729-606-33	TRANSISTOR 2SC2603F
Q451	8-729-606-33	TRANSISTOR 2SC2603F
Q481	8-729-606-33	TRANSISTOR 2SC2603F
Q482	8-729-117-54	TRANSISTOR 2SA1175
Q483	8-729-117-54	TRANSISTOR 2SA1175
Q501	8-729-606-33	TRANSISTOR 2SC2603F
Q502	8-729-606-33	TRANSISTOR 2SC2603F
Q503	8-729-102-03	TRANSISTOR 2SD1020
Q504	8-729-606-33	TRANSISTOR 2SC2603F
Q505	8-729-606-33	TRANSISTOR 2SC2603F
Q506	8-729-606-33	TRANSISTOR 2SC2603F
Q507	8-729-606-33	TRANSISTOR 2SC2603F
Q508	8-729-606-33	TRANSISTOR 2SC2603F
Q509	8-729-606-33	TRANSISTOR 2SC2603F
Q601	8-729-606-33	TRANSISTOR 2SC2603F
Q602	8-729-606-33	TRANSISTOR 2SC2603F
Q603	8-729-102-03	TRANSISTOR 2SD1020
Q604	8-729-606-33	TRANSISTOR 2SC2603F
Q605	8-729-606-33	TRANSISTOR 2SC2603F
Q606	8-729-606-33	TRANSISTOR 2SC2603F
Q607	8-729-606-33	TRANSISTOR 2SC2603F
Q608	8-729-606-33	TRANSISTOR 2SC2603F

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ELECTRICAL PARTS

Ref.No.	Part No.	Description			
Q609	8-729-606-33	TRANSISTOR 2SC2603F			
Q901	8-729-108-05	TRANSISTOR 2SC1841			
Q902	8-729-108-14	TRANSISTOR 2SA988-F			
Q903	8-729-108-14	TRANSISTOR 2SA988-F			
Q904	8-729-108-14	TRANSISTOR 2SA988-F			
Q905	8-729-107-25	TRANSISTOR 2SD1585-L			
R1	1-247-831-00	CARBON	1K	5%	1/6W
R2	1-249-437-11	CARBON	47K	5%	1/6W
R3	1-247-807-00	CARBON	100	5%	1/6W
R4	1-247-819-00	CARBON	330	5%	1/6W
R5	1-247-901-00	CARBON	820K	5%	1/6W
R6	1-247-807-00	CARBON	100	5%	1/6W
R7	1-247-807-00	CARBON	100	5%	1/6W
R8	1-247-807-00	CARBON	100	5%	1/6W
R9	1-247-893-00	CARBON	390K	5%	1/6W
R10	1-247-853-00	CARBON	8.2K	5%	1/6W
R11	1-249-429-11	CARBON	10K	5%	1/6W
R12	1-247-807-00	CARBON	100	5%	1/6W
R13	1-247-841-00	CARBON	2.7K	5%	1/6W
R21	1-247-903-00	CARBON	1M	5%	1/6W
R22	1-247-801-00	CARBON	56	5%	1/6W
R23	1-247-801-00	CARBON	56	5%	1/6W
R41	1-247-819-00	CARBON	330	5%	1/6W
R42	1-247-819-00	CARBON	330	5%	1/6W
R43	1-247-819-00	CARBON	330	5%	1/6W
R44	1-249-433-11	CARBON	22K	5%	1/6W
R45	1-249-433-11	CARBON	22K	5%	1/6W
R46	1-247-819-00	CARBON	330	5%	1/6W
R47	1-247-845-00	CARBON	3.9K	5%	1/6W
R48	⚠1-247-101-00	CARBON	56	5%	1/4W F
R49	1-249-433-11	CARBON	22K	5%	1/6W
R50	1-247-831-00	CARBON	1K	5%	1/6W
R51	1-247-831-00	CARBON	1K	5%	1/6W
R52	1-249-434-11	CARBON	27K	5%	1/6W
R53	1-247-805-00	CARBON	82	5%	1/6W
R54	1-247-875-00	CARBON	68K	5%	1/6W
R55	1-249-429-11	CARBON	10K	5%	1/6W
R56	1-249-429-11	CARBON	10K	5%	1/6W
R57	1-247-843-00	CARBON	3.3K	5%	1/6W
R58	1-249-429-11	CARBON	10K	5%	1/6W
R59	1-247-859-00	CARBON	15K	5%	1/6W
R60	1-247-831-00	CARBON	1K	5%	1/6W
R61	1-247-883-00	CARBON	150K	5%	1/6W
R62	1-247-883-00	CARBON	150K	5%	1/6W
R63	1-247-885-00	CARBON	180K	5%	1/6W
R64	1-247-885-00	CARBON	180K	5%	1/6W
R65	1-247-843-00	CARBON	3.3K	5%	1/6W
R66	1-247-843-00	CARBON	3.3K	5%	1/6W
R67	1-247-867-00	CARBON	33K	5%	1/6W
R68	1-249-433-11	CARBON	22K	5%	1/6W
R69	1-249-419-11	CARBON	1.5K	5%	1/6W
R70	1-249-433-11	CARBON	22K	5%	1/6W
R71	1-247-849-00	CARBON	5.6K	5%	1/6W
R72	1-247-873-00	CARBON	56K	5%	1/6W
R73	⚠1-247-113-00	CARBON	100	5%	1/4W F

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R74	⚠1-247-111-00	CARBON	150	5%	1/4W F
R75	1-249-429-11	CARBON	10K	5%	1/6W
R76	1-247-867-00	CARBON	33K	5%	1/6W
R77	1-249-429-11	CARBON	10K	5%	1/6W
R78	1-247-867-00	CARBON	33K	5%	1/6W
R79	1-247-867-00	CARBON	33K	5%	1/6W
R80	1-247-849-00	CARBON	5.6K	5%	1/6W
R81	1-247-849-00	CARBON	5.6K	5%	1/6W
R82	1-247-876-00	CARBON	75K	5%	1/6W
R83	1-247-876-00	CARBON	75K	5%	1/6W
R85	1-247-867-00	CARBON	33K	5%	1/6W
R101	1-247-883-00	CARBON	150K	5%	1/6W
R103	1-249-437-11	CARBON	47K	5%	1/6W
R104	1-247-831-00	CARBON	1K	5%	1/6W
R105	1-247-831-00	CARBON	1K	5%	1/6W
R106	1-247-831-00	CARBON	1K	5%	1/6W
R107	1-247-843-00	CARBON	3.3K	5%	1/6W
R108	1-249-425-11	CARBON	4.7K	5%	1/6W
R110	⚠1-247-095-00	CARBON	33	5%	1/4W F
R111	⚠1-247-115-00	CARBON	220	5%	1/4W F
R112	1-249-437-11	CARBON	47K	5%	1/6W
R113	1-247-885-00	CARBON	180K	5%	1/6W
R114	1-249-414-11	CARBON	560	5%	1/6W
R115	1-247-829-00	CARBON	820	5%	1/6W
R116	1-247-817-00	CARBON	270	5%	1/6W
R117	1-249-421-11	CARBON	2.2K	5%	1/6W
R118	1-249-425-11	CARBON	4.7K	5%	1/6W
R119	1-249-425-11	CARBON	4.7K	5%	1/6W
R120	1-249-437-11	CARBON	47K	5%	1/6W
R121	1-247-867-00	CARBON	33K	5%	1/6W
R122	1-249-414-11	CARBON	560	5%	1/6W
R123	1-247-829-00	CARBON	820	5%	1/6W
R124	1-247-817-00	CARBON	270	5%	1/6W
R125	1-249-421-11	CARBON	2.2K	5%	1/6W
R126	1-249-425-11	CARBON	4.7K	5%	1/6W
R127	1-249-425-11	CARBON	4.7K	5%	1/6W
R128	1-249-429-11	CARBON	10K	5%	1/6W
R129	1-249-429-11	CARBON	10K	5%	1/6W
R130	1-247-879-00	CARBON	100K	5%	1/6W
R131	1-247-853-00	CARBON	8.2K	5%	1/6W
R132	1-247-879-00	CARBON	100K	5%	1/6W
R133	⚠1-247-115-00	CARBON	220	5%	1/4W F
R151	1-247-831-00	CARBON	1K	5%	1/6W
R152	1-247-867-00	CARBON	33K	5%	1/6W
R153	1-247-879-00	CARBON	100K	5%	1/6W
R401	⚠1-247-107-00	CARBON	100	5%	1/4W F
R402	1-247-867-00	CARBON	33K	5%	1/6W
R403	1-247-867-00	CARBON	33K	5%	1/6W
R404	1-247-851-00	CARBON	6.8K	5%	1/6W
R405	1-249-429-11	CARBON	10K	5%	1/6W
R406	1-249-429-11	CARBON	10K	5%	1/6W
R407	1-247-849-00	CARBON	5.6K	5%	1/6W
R408	1-249-429-11	CARBON	10K	5%	1/6W
R409	1-249-433-11	CARBON	22K	5%	1/6W
R411	1-249-433-11	CARBON	22K	5%	1/6W
R412	1-247-867-00	CARBON	33K	5%	1/6W
R414	1-247-831-00	CARBON	1K	5%	1/6W

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ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R415	1-249-437-11	CARBON	47K	5%	1/6W	
R416	1-249-437-11	CARBON	47K	5%	1/6W	
R417	1-247-843-00	CARBON	3.3K	5%	1/6W	
R418	1-249-429-11	CARBON	10K	5%	1/6W	
R419	1-247-867-00	CARBON	33K	5%	1/6W	
R420	1-249-437-11	CARBON	47K	5%	1/6W	
R421	1-247-867-00	CARBON	33K	5%	1/6W	
R422	1-247-867-00	CARBON	33K	5%	1/6W	
R423 ⚠	1-217-430-00	FUSIBLE	4.7	5%	1/2W	F
R424	1-247-807-00	CARBON	100	5%	1/6W	
R425 ⚠	1-247-117-00	CARBON	270	5%	1/4W	F
R426	1-247-827-00	CARBON	680	5%	1/6W	
R428 ⚠	1-247-101-00	CARBON	56	5%	1/4W	F
R429	1-247-841-00	CARBON	2.7K	5%	1/6W	
R430	1-247-895-00	CARBON	470K	5%	1/6W	
R431	1-249-414-11	CARBON	560	5%	1/6W	
R432	1-247-849-00	CARBON	5.6K	5%	1/6W	
R433	1-247-879-00	CARBON	100K	5%	1/6W	
R434	1-202-472-00	SOLID	5.1M	5%	1/4W	
R435	1-247-867-00	CARBON	33K	5%	1/6W	
R436	1-249-437-11	CARBON	47K	5%	1/6W	
R437	1-249-429-11	CARBON	10K	5%	1/6W	
R438	1-247-867-00	CARBON	33K	5%	1/6W	
R439	1-249-429-11	CARBON	10K	5%	1/6W	
R440	1-247-867-00	CARBON	33K	5%	1/6W	
R441 ⚠	1-247-699-11	CARBON	82	5%	1/4W	F
R442	1-249-421-11	CARBON	2.2K	5%	1/6W	
R443	1-247-843-00	CARBON	3.3K	5%	1/6W	
R444	1-249-433-11	CARBON	22K	5%	1/6W	
R445	1-247-851-00	CARBON	6.8K	5%	1/6W	
R446	1-247-795-00	CARBON	33	5%	1/6W	
R447	1-247-775-00	CARBON	4.7	5%	1/6W	
R448	1-247-867-00	CARBON	33K	5%	1/6W	
R449	1-247-867-00	CARBON	33K	5%	1/6W	
R450	1-249-432-11	CARBON	18K	5%	1/6W	
R451	1-249-429-11	CARBON	10K	5%	1/6W	
R452	1-247-783-00	CARBON	10	5%	1/6W	
R453	1-247-895-00	CARBON	470K	5%	1/6W	
R454	1-247-843-00	CARBON	3.3K	5%	1/6W	
R455	1-247-831-00	CARBON	1K	5%	1/6W	
R456	1-249-421-11	CARBON	2.2K	5%	1/6W	
R457	1-247-819-00	CARBON	330	5%	1/6W	
R458	1-247-867-00	CARBON	33K	5%	1/6W	
R459	1-249-433-11	CARBON	22K	5%	1/6W	
R460	1-249-433-11	CARBON	22K	5%	1/6W	
R461	1-249-429-11	CARBON	10K	5%	1/6W	
R462	1-249-433-11	CARBON	22K	5%	1/6W	
R465	1-249-433-11	CARBON	22K	5%	1/6W	
R466	1-249-433-11	CARBON	22K	5%	1/6W	
R467	1-249-429-11	CARBON	10K	5%	1/6W	
R481	1-249-433-11	CARBON	22K	5%	1/6W	
R482	1-249-429-11	CARBON	10K	5%	1/6W	
R483	1-247-813-00	CARBON	180	5%	1/6W	
R484	1-247-881-00	CARBON	120K	5%	1/6W	
R485	1-247-837-00	CARBON	1.8K	5%	1/6W	
R486	1-247-837-00	CARBON	1.8K	5%	1/6W	
R487	1-247-813-00	CARBON	180	5%	1/6W	

ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R488	1-247-881-00	CARBON	120K	5%	1/6W	
R501	1-247-815-00	CARBON	220	5%	1/6W	
R502	1-247-891-00	CARBON	330K	5%	1/6W	
R503	1-247-854-00	CARBON	9.1K	5%	1/6W	
R504	1-247-850-00	CARBON	6.2K	5%	1/6W	
R505	1-247-819-00	CARBON	330	5%	1/6W	
R507	1-249-433-11	CARBON	22K	5%	1/6W	
R508	1-249-433-11	CARBON	22K	5%	1/6W	
R509	1-249-440-11	CARBON	82K	5%	1/6W	
R510	1-249-429-11	CARBON	10K	5%	1/6W	
R511	1-247-897-00	CARBON	560K	5%	1/6W	
R512	1-247-843-00	CARBON	3.3K	5%	1/6W	
R513	1-249-414-11	CARBON	560	5%	1/6W	
R514	1-247-831-00	CARBON	1K	5%	1/6W	
R515	1-249-433-11	CARBON	22K	5%	1/6W	
R516	1-249-425-11	CARBON	4.7K	5%	1/6W	
R517	1-247-859-00	CARBON	15K	5%	1/6W	
R518	1-247-843-00	CARBON	3.3K	5%	1/6W	
R519	1-249-425-11	CARBON	4.7K	5%	1/6W	
R520	1-249-433-11	CARBON	22K	5%	1/6W	
R521	1-247-843-00	CARBON	3.3K	5%	1/6W	
R522	1-247-850-00	CARBON	6.2K	5%	1/6W	
R523	1-249-437-11	CARBON	47K	5%	1/6W	
R524	1-249-437-11	CARBON	47K	5%	1/6W	
R525	1-247-843-00	CARBON	3.3K	5%	1/6W	
R526	1-249-429-11	CARBON	10K	5%	1/6W	
R527	1-247-883-00	CARBON	150K	5%	1/6W	
R528	1-247-852-00	CARBON	7.5K	5%	1/6W	
R529	1-247-876-00	CARBON	75K	5%	1/6W	
R530	1-247-873-00	CARBON	56K	5%	1/6W	
R531	1-247-831-00	CARBON	1K	5%	1/6W	
R532	1-249-421-11	CARBON	2.2K	5%	1/6W	
R533	1-247-873-00	CARBON	56K	5%	1/6W	
R534	1-247-869-00	CARBON	39K	5%	1/6W	
R535	1-247-783-00	CARBON	10	5%	1/6W	
R536	1-247-859-00	CARBON	15K	5%	1/6W	
R537	1-247-857-00	CARBON	12K	5%	1/6W	
R538	1-249-425-11	CARBON	4.7K	5%	1/6W	
R539	1-247-817-00	CARBON	270	5%	1/6W	
R540	1-249-429-11	CARBON	10K	5%	1/6W	
R541	1-249-425-11	CARBON	4.7K	5%	1/6W	
R542	1-249-433-11	CARBON	22K	5%	1/6W	
R543	1-247-811-00	CARBON	150	5%	1/6W	
R544	1-249-433-11	CARBON	22K	5%	1/6W	
R545	1-249-433-11	CARBON	22K	5%	1/6W	
R546	1-249-433-11	CARBON	22K	5%	1/6W	
R547	1-247-867-00	CARBON	33K	5%	1/6W	
R548	1-249-433-11	CARBON	22K	5%	1/6W	
R549	1-247-857-00	CARBON	12K	5%	1/6W	
R550	1-249-437-11	CARBON	47K	5%	1/6W	
R551 ⚠	1-247-230-00	CARBON	390	5%	1/2W	F
R561	1-247-837-00	CARBON	1.8K	5%	1/6W	
R563	1-247-831-00	CARBON	1K	5%	1/6W	
R564	1-247-845-00	CARBON	3.9K	5%	1/6W	
R565	1-247-841-00	CARBON	2.7K	5%	1/6W	
R571	1-249-432-11	CARBON	18K	5%	1/6W	
R572 ⚠	1-247-101-00	CARBON	56	5%	1/4W	F

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ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R701	1-247-831-00	CARBON	1K	5%	1/6W	
R702	1-247-873-00	CARBON	56K	5%	1/6W	
R703	1-247-873-00	CARBON	56K	5%	1/6W	
R704	1-249-414-11	CARBON	560	5%	1/6W	
R705	1-249-421-11	CARBON	2.2K	5%	1/6W	
R706	1-249-421-11	CARBON	2.2K	5%	1/6W	
R707 ⚠	1-217-383-00	FUSIBLE	4.7	5%	1/4W	F
R708	1-249-421-11	CARBON	2.2K	5%	1/6W	
R709	1-249-437-11	CARBON	47K	5%	1/6W	
R710	1-247-833-00	CARBON	1.2K	5%	1/6W	
R711	1-247-880-00	CARBON	110K	5%	1/6W	
R712	1-247-856-00	CARBON	11K	5%	1/6W	
R713	1-247-831-00	CARBON	1K	5%	1/6W	
R714	1-249-437-11	CARBON	47K	5%	1/6W	
R715	1-249-437-11	CARBON	47K	5%	1/6W	
R901	1-247-807-00	CARBON	100	5%	1/6W	
R902	1-247-240-00	CARBON	1K	5%	1/2W	
R903	1-247-240-00	CARBON	1K	5%	1/2W	
R904	1-217-568-00	RES. METAL PLATE 0.22				
R905	1-247-815-00	CARBON	220	5%	1/6W	
R906	1-247-841-00	CARBON	2.7K	5%	1/6W	
R907	1-247-869-00	CARBON	39K	5%	1/6W	
R908	1-249-419-11	CARBON	1.5K	5%	1/6W	
R909	1-247-869-00	CARBON	39K	5%	1/6W	
R910	1-249-419-11	CARBON	1.5K	5%	1/6W	
R911	1-247-815-00	CARBON	220	5%	1/6W	
R912	1-217-568-00	RES. METAL PLATE 0.22				
R913 ⚠	1-217-399-00	FUSIBLE	100	5%	1/4W	F
R915	1-247-883-00	CARBON	150K	5%	1/6W	
R916	1-247-869-00	CARBON	39K	5%	1/6W	
R917	1-247-240-00	CARBON	1K	5%	1/2W	
R918 ⚠	1-217-392-00	FUSIBLE	27	5%	1/4W	F
R919 ⚠	1-217-383-00	FUSIBLE	4.7	5%	1/4W	F
R920 ⚠	1-217-422-00	FUSIBLE	1	5%	1/2W	F
R921 ⚠	1-217-422-00	FUSIBLE	1	5%	1/2W	F
R922	1-247-889-00	CARBON	270K	5%	1/6W	
R923 ⚠	1-217-375-51	FUSIBLE	1	5%	1/4W	F
R924	1-247-823-00	CARBON	470	5%	1/6W	
R925 ⚠	1-217-422-00	FUSIBLE	1	5%	1/2W	F
R926	1-247-823-00	CARBON	470	5%	1/6W	
R927	1-249-429-11	CARBON	10K	5%	1/6W	
RV1	1-226-853-00	RES. ADJ. CARBON 47K				
RV2	1-228-725-00	RES. ADJ. CARBON 22K				
RV401	1-237-176-11	RES. VAR. SLIDE 20K				

ELECTRICAL PARTS

Ref.No.	Part No.	Description
RV402	1-230-908-11	RES. VAR. SLIDE 100K/100K
RV403	1-230-908-11	RES. VAR. SLIDE 100K/100K
RV404	1-230-908-11	RES. VAR. SLIDE 100K/100K
RV405	1-230-908-11	RES. VAR. SLIDE 100K/100K
RV406	1-230-908-11	RES. VAR. SLIDE 100K/100K
RV407	1-237-177-11	(AEP.G-AEP.UK)..RES. VAR. SLIDE 50K/50K
RV408	1-237-178-11	RES. VAR. SLIDE 250K
RV481	1-228-990-00	RES. ADJ. CARBON 1K
RV482	1-228-991-00	RES. ADJ. CARBON 2K
RV483	1-228-991-00	RES. ADJ. CARBON 2K
RV484	1-228-990-00	RES. ADJ. CARBON 1K
RV501	1-230-600-11	RES. ADJ. CARBON 20K
RV502	1-230-600-11	RES. ADJ. CARBON 20K
RV503	1-230-600-11	RES. ADJ. CARBON 20K
RV504	1-230-583-11	RES. ADJ. CARBON 200K
RV601	1-230-600-11	RES. ADJ. CARBON 20K
RV602	1-230-600-11	RES. ADJ. CARBON 20K
RV603	1-230-600-11	RES. ADJ. CARBON 20K
RV604	1-230-583-11	RES. ADJ. CARBON 200K
S1	1-554-088-00	SWITCH. KEY BOARD (MEMORY)
S2	1-554-088-00	SWITCH. KEY BOARD (1)
S3	1-554-088-00	SWITCH. KEY BOARD (2)
S4	1-554-088-00	SWITCH. KEY BOARD (3)
S5	1-554-088-00	SWITCH. KEY BOARD (4)
S6	1-554-088-00	SWITCH. KEY BOARD (5)
S7	1-554-088-00	SWITCH. KEY BOARD (-)
S8	1-554-088-00	SWITCH. KEY BOARD (+)
S9	1-570-582-11	SWITCH. ROTARY SLIDE (BAND)
S301	1-570-715-11	SWITCH (MOTOR)
S302	1-570-715-11	SWITCH (FWD)
S303	1-570-716-11	SWITCH (FF/REW)
S401	1-570-587-11	SWITCH. SLIDE (REC/PB)
S402	1-570-586-11	SWITCH. SLIDE
S403	1-570-584-11	SWITCH. PUSH (1 KEY)
S404	1-570-583-11	SWITCH. PUSH (2 KEY)
S405	1-570-585-11	SWITCH. PUSH (2 KEY)
S461	1-570-580-11	SWITCH. PUSH (4 KEY)(FUNCTION)
S901	1-516-870-00	SWITCH.SLIDE (ISS)
S902 ⚠	1-553-318-31	SWITCH. PUSH (AC POWER)(1 KEY)
T1	1-404-659-11	COIL. DISCRIMINATOR
T2	1-404-535-11	COIL (WITH IFT)
T3	*1-404-363-00	TRANSFORMER. IF
T401	1-433-311-11	TRANSFORMER. BIAS OSCILLATION
T901 ⚠	1-448-484-11	(AEP.UK)...TRANSFORMER. POWER
XT1	1-567-125-00	VIBRATOR. CRYSTAL

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

English
86D0235-1
Printed in Japan
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1996

HST-750W

SERVICE MANUAL

AEP Model
UK Model

No. 1
August, 1986

CORRECTION

Correct errors in the parts list as follows. File this correction with Service Manual previously issued.

STEREO DECK RECEIVER

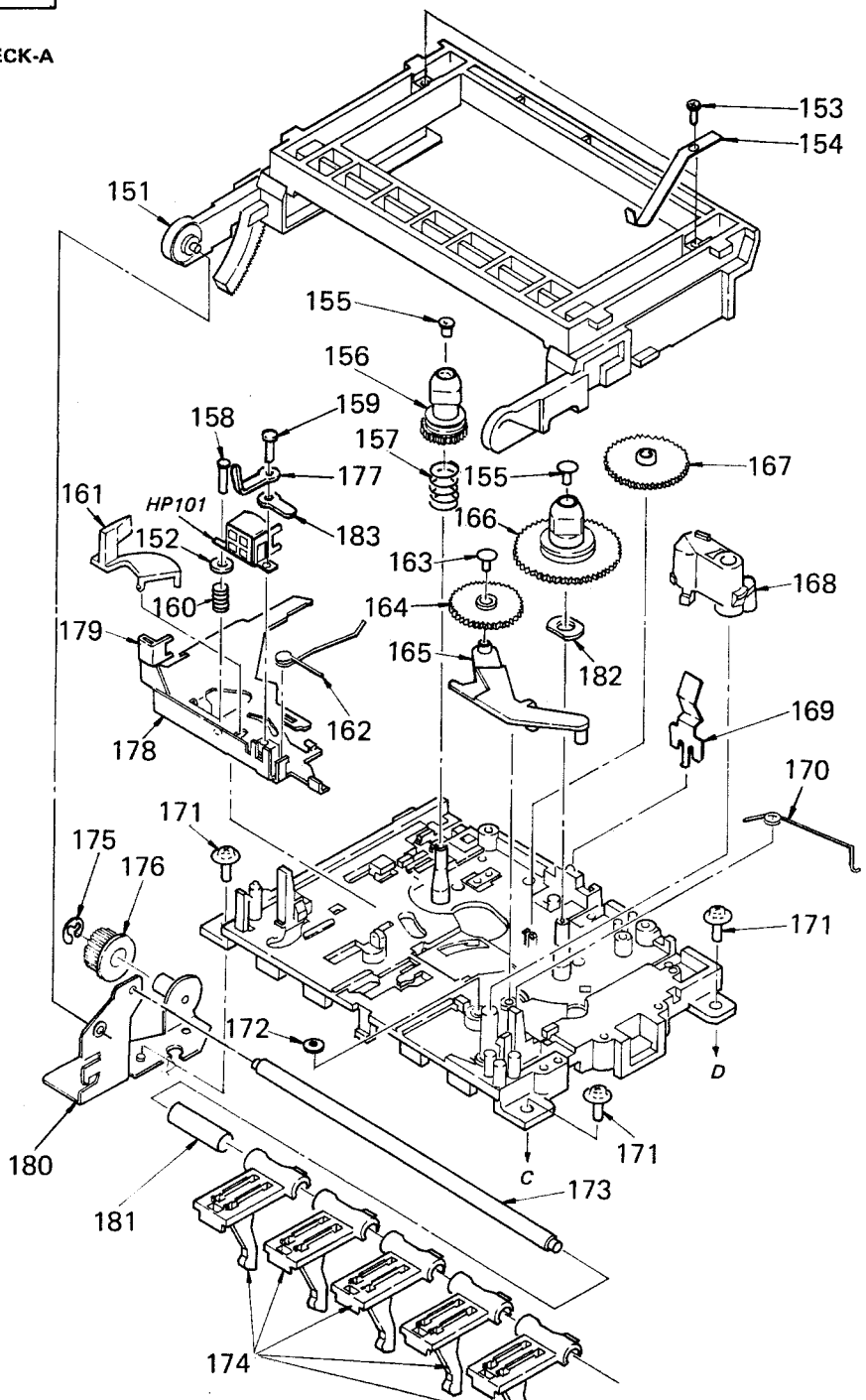
SONY®

AUD

1996

HST-750W

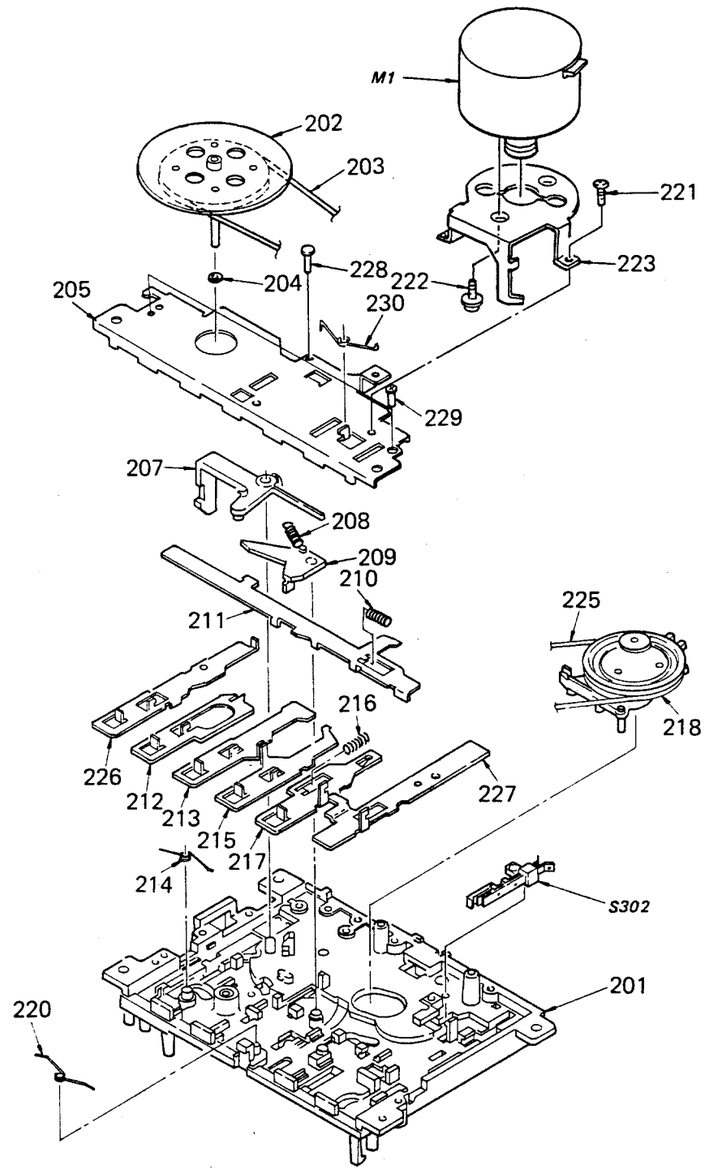
(4) DECK-A



No.	Part No.	Description	Remarks
151	3-390-801-01	CASE, CASSETTE	
152	3-390-823-01	WASHER, F	
153	7-685-103-14	SCREW +P 2X5 TYPE2 SLIT	
154	4-894-951-01	KEEP PLATE	
155	3-390-803-01	BUSHING (D)	
156	4-894-953-01	S REEL	
157	4-894-954-01	C SPRING	
158	7-621-905-65	SCREW, TOTSU P 2X8	
159	7-621-255-15	SCREW +P 2X3	
160	4-894-955-01	C SPRING	
161	4-894-956-01	TAPE SENSOR	
162	3-390-804-01	SPRING, PINCH ARM	
163	4-894-960-01	BUSH	
164	4-894-961-01	IDLER GEAR	
165	4-894-962-01	IDLER ARM	
166	4-894-963-01	T REEL ASSY	

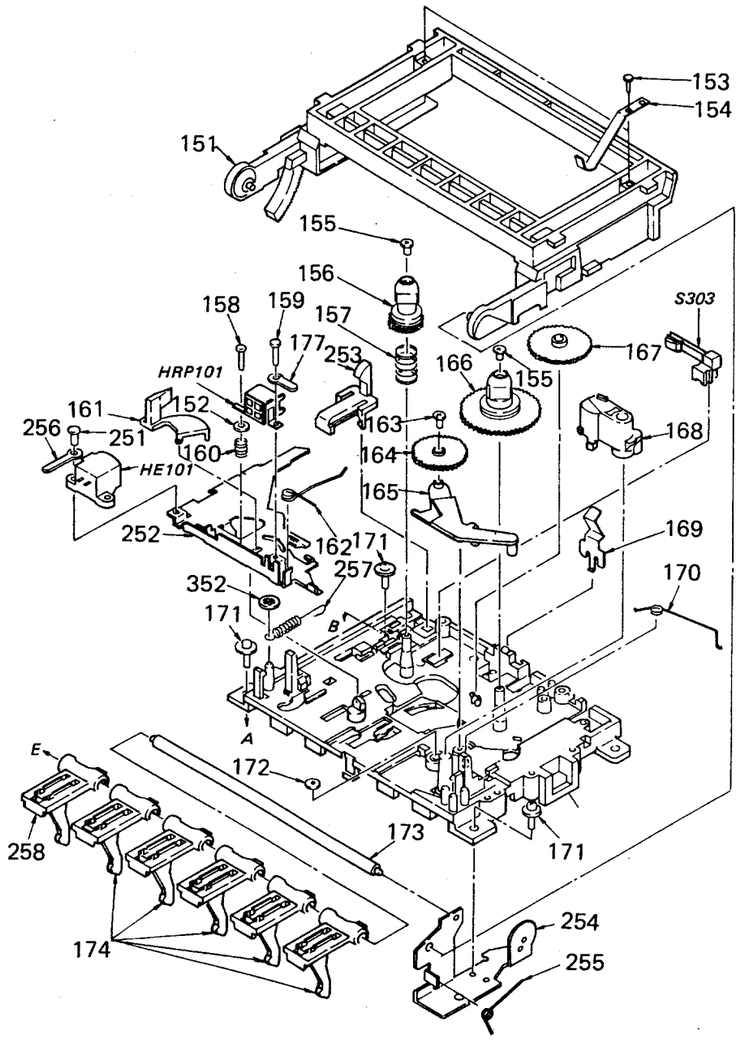
No.	Part No.	Description	Remarks
167	4-894-964-01	F GEAR	
168	3-390-805-01	ROLLER ASSY, PINCH	
169	4-894-966-01	SPRING	
170	4-894-967-01	SPRING	
171	7-687-501-31	SCREW, TOTSU PTTWH 2.6X6 TYPE2	
172	4-894-969-01	N WASHER	
173	*4-894-970-01	BUTTON SHAFT W	
174	4-894-971-01	BUTTON LEVER	
175	7-624-106-04	STOP RING 3.0, TYPE -E	
176	4-895-001-01	GEAR	
177	3-390-817-01	LUG	
178	4-895-015-01	HEAD BASE	
179	4-895-016-01	TAPE GUIDE	
180	*4-895-017-01	BUTTON BRACKET L ASSY	
181	4-895-018-01	SPACER	
182	3-390-820-01	SPRING, LEAF	
183	3-390-821-01	SPACER	
HP101	1-543-260-11	HEAD REC/PB (223-30-46)	

(5) DECK-A



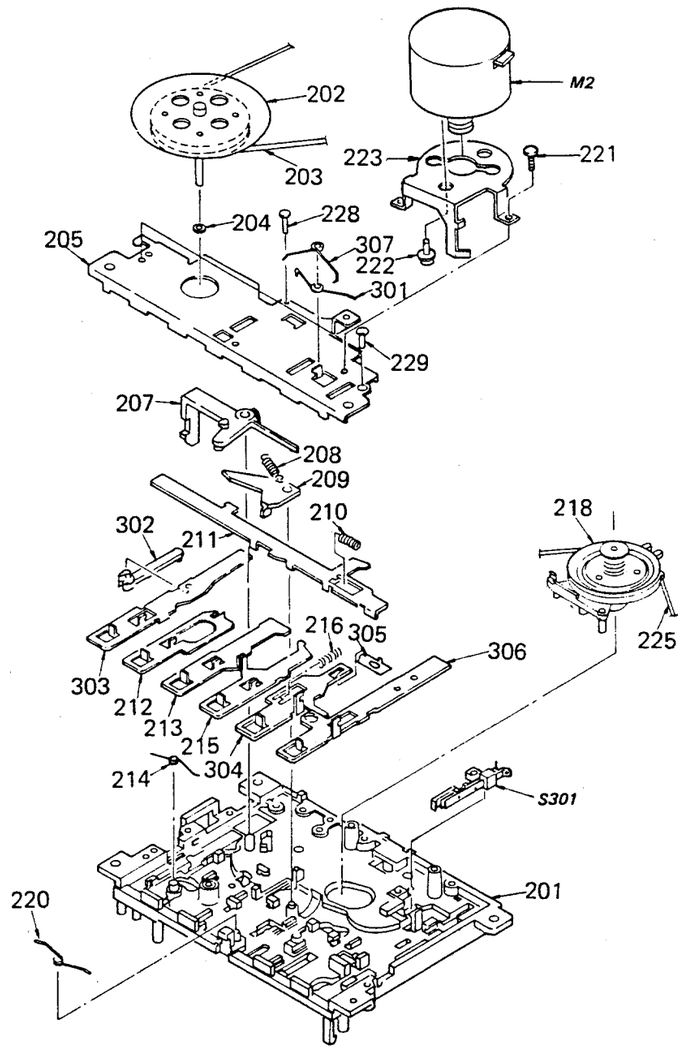
No.	Part No.	Description	Remarks
201	4-894-968-01	CHASSIS ASSY	
202	3-390-806-01	FW ASSY	
203	3-390-807-01	BELT	
204	4-894-976-01	P WASHER	
205	*4-894-977-01	BACK PLATE	
207	*4-894-980-01	EJECT ARM	
208	3-390-809-01	SPRING	
209	4-894-982-01	S ARM	
210	4-894-983-01	C SPRING	
211	*4-894-984-01	FUNCTION LEVER	
212	4-894-987-01	S.E LEVER	
213	*4-894-988-01	FF LEVER W	
214	4-894-989-01	SPRING	
215	*4-894-990-01	REW LEVER	
216	4-894-992-01	C SPRING	
217	4-895-013-01	PLAY LEVER	
218	4-894-997-01	POWER ARM ASSY	
220	4-894-999-01	SPRING	
221	7-685-790-04	SCREW +PTT 2.6X4 (S)	
222	7-621-259-25	SCREW +P 2.6X4	
223	*3-390-814-01	BRACKET, MOTOR	
225	3-390-816-01	BELT, SQUARE	
226	4-895-011-01	PAUSE LEVER W	
227	4-895-012-01	SW LEVER	
228	3-390-822-01	BUSHING (C)	
229	7-685-133-29	SCREW +P 2.6X6 TYPE2 SLIT	
230	3-390-808-01	SPRING	
M1	X-3390-801-1	MOTOR ASSY	
S302	1-570-715-11	SWITCH	

(6) DECK-B



No.	Part No.	Description	Remarks
151	3-390-801-01	CASE, CASSETTE	
152	3-390-823-01	WASHER, F	
153	7-685-103-14	SCREW +P 2X5 TYPE2 SLIT	
154	4-894-951-01	KEEP PLATE	
155	3-390-803-01	BUSHING (D)	
156	4-894-953-01	S REEL	
157	4-894-954-01	C SPRING	
158	7-621-905-65	SCREW, TOTSU P 2X8	
159	7-621-255-15	SCREW +P 2X3	
160	4-894-955-01	C SPRING	
161	4-894-956-01	TAPE SENSOR	
162	3-390-804-01	SPRING, PINCH ARM	
163	4-894-960-01	BUSH	
164	4-894-961-01	IDLER GEAR	
165	4-894-962-01	IDLER ARM	
166	4-894-963-01	T REEL ASSY	
167	4-894-964-01	F GEAR	
168	3-390-805-01	ROLLER ASSY, PINCH	
169	4-894-966-01	SPRING	
170	4-894-967-01	SPRING	
171	7-687-501-31	SCREW, TOTSU PTTWH 2.6X6 TYPE2	
172	4-894-969-01	N WASHER	
173	*4-894-970-01	BUTTON SHAFT W	
174	4-894-971-01	BUTTON LEVER	
177	3-390-817-01	LUG	
251	7-685-781-04	SCREW +PTT 2X4 (S)	
252	4-894-957-01	HEAD BASE B	
253	4-894-958-01	INTERLOCK ARM	
254	*4-894-972-01	BUTTON BRACKET R	
255	4-894-973-01	SPRING	
256	3-390-812-01	LUG	
257	3-390-813-01	SPRING, T.	
258	3-390-824-01	LEVER (R), BUTTON	
352	7-624-190-11	STOP RING 3, TYPE-CS	
HE101	1-543-261-11	HEAD ERASE (886-01-24)	
HRP101	1-543-260-11	HEAD REC/PB (223-30-46)	
S303	1-570-716-11	SWITCH	

(7) DECK-B



No.	Part No.	Description	Remarks
201	4-894-968-01	CHASSIS ASSY	
202	3-390-806-01	FW ASSY	
203	3-390-807-01	BELT	
204	4-894-976-01	P WASHER	
205	*4-894-977-01	BACK PLATE	
207	*4-894-980-01	EJECT ARM	
208	3-390-809-01	SPRING	
209	4-894-982-01	S ARM	
210	4-894-983-01	C SPRING	
211	*4-894-984-01	FUNCTION LEVER	
212	4-894-987-01	S.E LEVER	
213	*4-894-988-01	FF LEVER W	
214	4-894-989-01	SPRING	
215	*4-894-990-01	REW LEVER	
216	4-894-992-01	C SPRING	
218	4-894-997-01	POWER ARM ASSY	
220	4-894-999-01	SPRING	

No.	Part No.	Description	Remarks
221	7-685-790-04	SCREW +PTT 2.6X4 (S)	
222	7-621-259-25	SCREW +P 2.6X4	
223	*3-390-814-01	BRACKET, MOTOR	
225	3-390-816-01	BELT, SQUARE	
228	3-390-822-01	BUSHING (C)	
229	7-685-133-29	SCREW +P 2.6X6 TYPE2 SLIT	
301	4-894-979-01	SPRING	
302	*4-894-985-01	PAUSE ARM	
303	4-894-986-01	PAUSE LEVER	
304	3-390-810-01	LEVER, PLAY	
305	3-390-811-01	LEVER, REC STOP	
306	*4-894-994-01	REC LEVER	
307	3-390-818-01	SPRING	
M2	X-3390-801-1	MOTOR ASSY	
S301	1-570-715-11	SWITCH	

9-952-181-91

Sony Corporation

English
86H0233-1
Printed in Japan
© 1986

1996

HST-750W

SERVICE MANUAL

US Model
AEP Model
G-AEP Model
UK Model
E Model

No. 2

CORRECTION

File this correction with the service manual.

● **Correct the part number and description as mentioned below.**

Page		No.	Part No.	Description
34, 42	(incorrect)	HP101	1-543-260-11	HEAD, REC/PB (223-30-46)
	⬇			
34, 42	(correct)	HP101	1-543-424-11	HEAD, REC/PB (283-30-24)
36, 42	(incorrect)	HRP101	1-543-260-11	HEAD, REC/PB (223-30-46)
	⬇			
36, 42	(correct)	HRP101	1-543-424-11	HEAD, REC/PB (283-30-24)

Note: Add No. HRP101 on the service manual page 36 only for AEP/UK model, as it has been missed.

Sony Corporation
Audio Group

STEREO DECK RECEIVER
SONY®

English
1996 3710295-1
Printed in Japan
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9-952-181-92

HST-750W

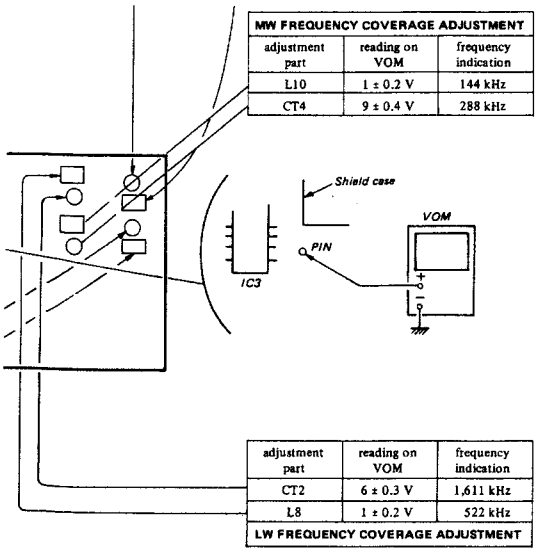
SERVICE MANUAL

AEP Model
Serial No. 502,001 and later
UK Model
Serial No. 616,001 and later

SUPPLEMENT

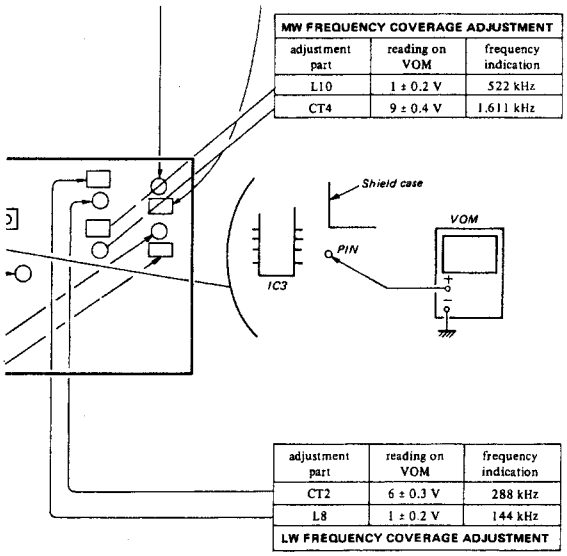
File this supplement with the service manual.

There are some errors on page 15.
Correct them as follows.



MW FREQUENCY COVERAGE ADJUSTMENT		
adjustment part	reading on VOM	frequency indication
L10	1 ± 0.2 V	144 kHz
CT4	9 ± 0.4 V	288 kHz

adjustment part	reading on VOM	frequency indication
CT2	6 ± 0.3 V	1,611 kHz
L8	1 ± 0.2 V	522 kHz
LW FREQUENCY COVERAGE ADJUSTMENT		



MW FREQUENCY COVERAGE ADJUSTMENT		
adjustment part	reading on VOM	frequency indication
L10	1 ± 0.2 V	522 kHz
CT4	9 ± 0.4 V	1,611 kHz

adjustment part	reading on VOM	frequency indication
CT2	6 ± 0.3 V	288 kHz
L8	1 ± 0.2 V	144 kHz
LW FREQUENCY COVERAGE ADJUSTMENT		

STEREO DECK RECEIVER

SONY®

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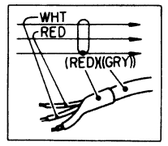
1996

SECTION 1
DIAGRAMS

Note:

- Color code of sleeving over the end of the jacket.



- ○— : parts extracted from the component side.
- —● : parts extracted from the conductor side.
- ■ : part mounted on the conductor side.
- ⊡ : indicates side identified with part number.
- ▬▶▬ : signal path
- ▬▶▬ : L-CH signal path
- ▬▶▬ : R-CH signal path
- ▒ : B + pattern

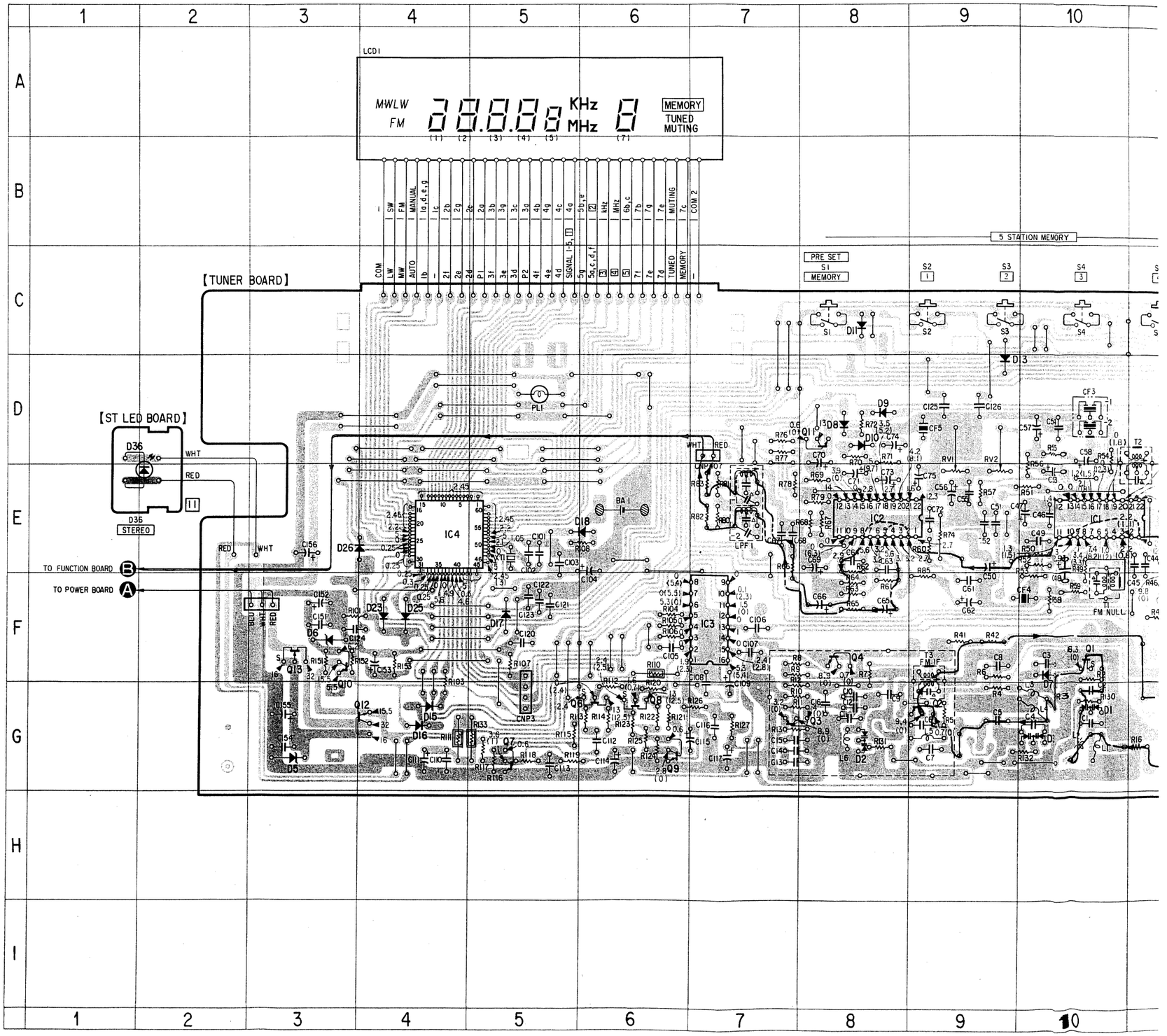
●SEMICONDUCTOR LOCATION

Rcf.No.	Location	Ref.No.	Location
IC1	E-10	D1	G-10
IC2	E-8	D2	G-8
IC3	F-7	D3	G-10
IC4	E-4	D4-1	G-13
		D4-2	G-12
Q1	F-10	D5	G-3
Q2	G-9	D6	F-3
Q3	G-7	D7	F-10
Q4	F-8	D8	D-8
Q5	E-11	D9	D-8
Q6	G-6	D10	D-8
Q7	G-5	D11	C-8
Q8	G-6	D12	C-11
Q9	G-6	D13	D-9
Q10	F-3	D14	C-11
Q11	D-8	D15	G-4
Q12	G-3	D16	G-4
Q13	F-3	D17	F-5
		D18	E-6
		D20	D-12
		D21	D-12
		D22	D-12
		D23	F-4
		D25	F-4
		D26	E-3
		D28	G-14
		D29	G-14
		D36	E-2

1-1. MOUNTING DIAGRAM — TUNER SECTION —

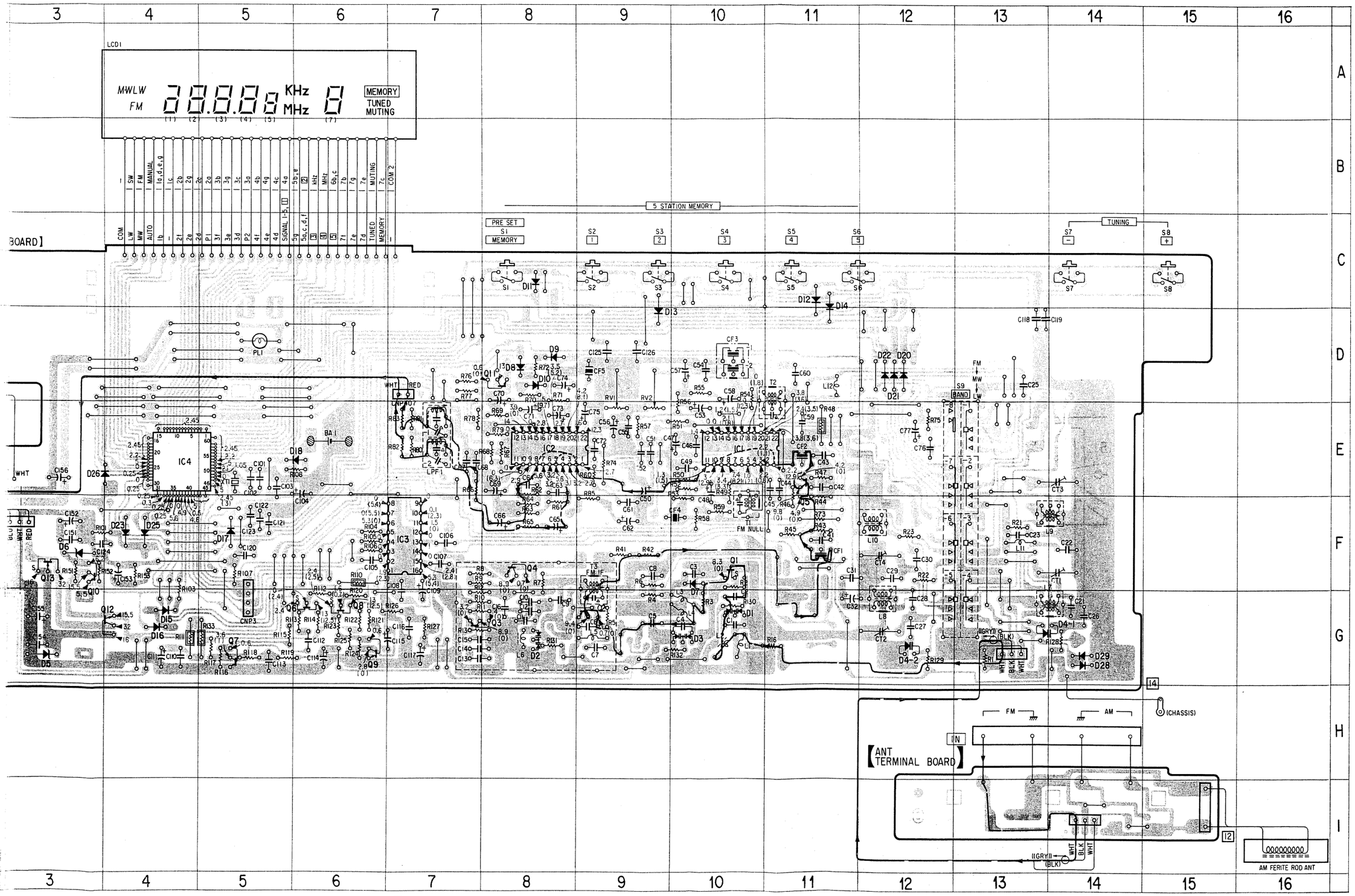
— Conductor Side —

● See page 10 for Semiconducter lead layouts.

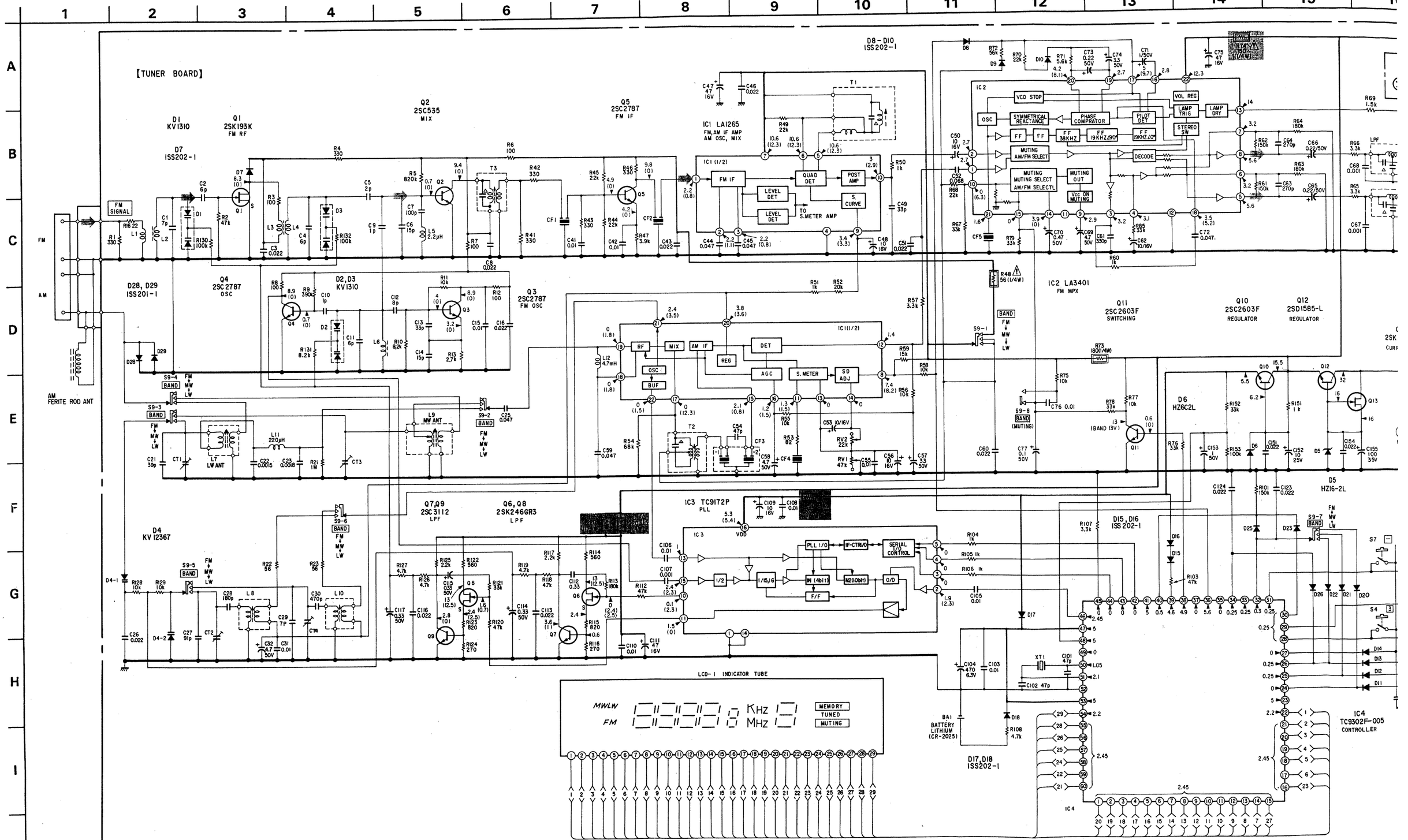


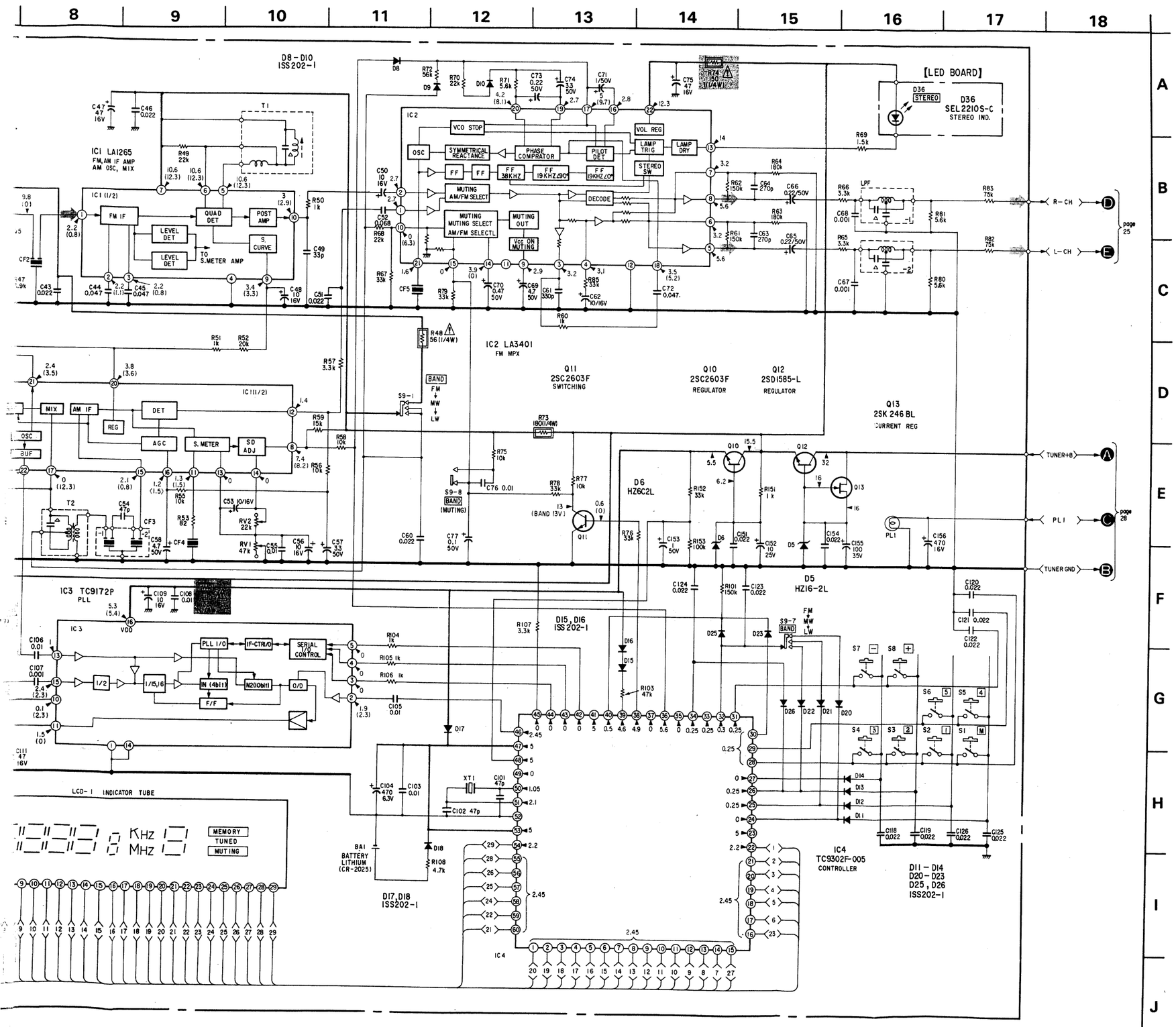
UNER SECTION —

- See page 10 for Semiconducter lead layouts.



1-2. SCHEMATIC DIAGRAM — TUNER SECTION —





Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/6 W or less unless otherwise specified.
- ⇨ : signal path.

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

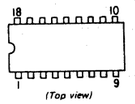
- △ : internal component.
- ▭ : nonflammable resistor.
- Switch

Ref. No.	Switch	Position
S1	MEMORY	OFF
S2	1	OFF
S3	2	OFF
S4	3	OFF
S5	4	OFF
S6	5	OFF
S7	–	OFF
S8	+	OFF
S9	BAND	FM

- ——— : B+ bus.
- – – – : B– bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal (detuned) conditions with a VOM (50 kΩ/V).
  ( ) : MW mode
  < > : LW mode
  no-mark: FM
- Voltage variations may be noted due to normal production tolerances.

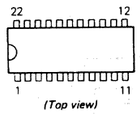
SEMICONDUCTORS

HA12046



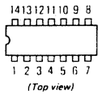
IR2E31A

LA1265



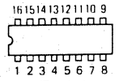
LA3160

LA3220

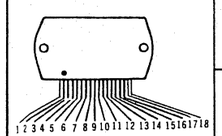


LA3401

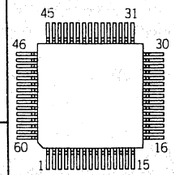
M5226P
TA7784P
TC9172P



STK4141II



TC9302F-005



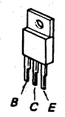
2SA988-F

2SA1175
2SC2787
2SD1020

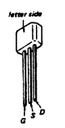
2SC535
2SC1841
2SC3112

2SC2603F

2SD1585-L

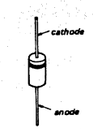


2SK193-K

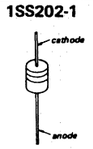


2SK246BL
2SK246GR3

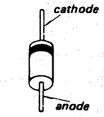
10E2Z
RD11EB2
RD11EB3



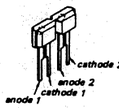
1SS202-1



HZ6C2L
HZ16-2L

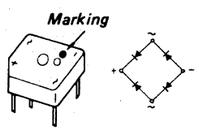


KV1236Z



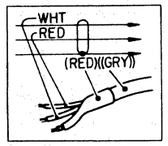
KV1310

RB402



Note:

- Color code of sleeving over the end of the jacket.



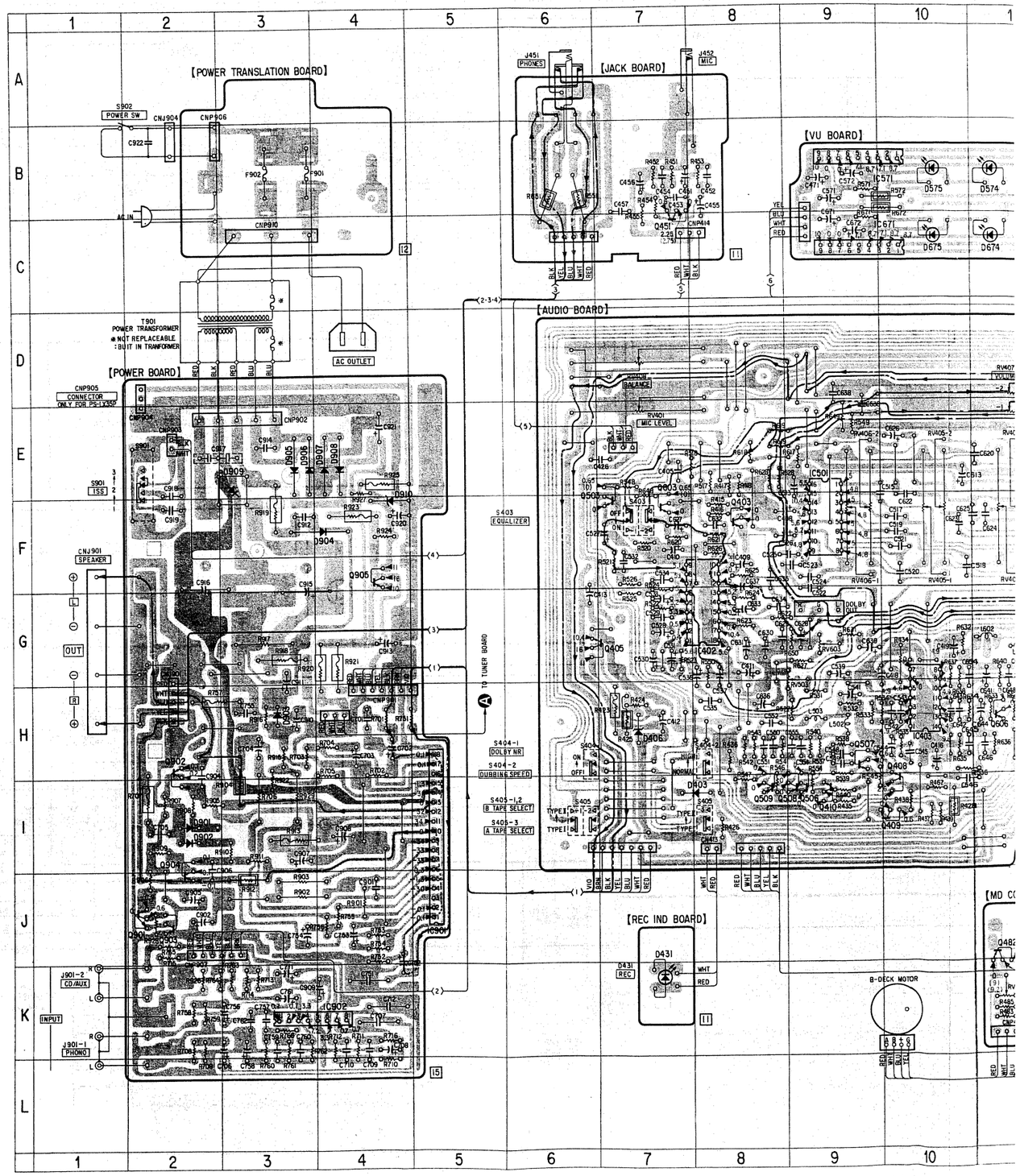
- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- ■ : part mounted on the conductor side.
- ⬚→ : indicates side identified with part number.
- ——→—— : signal path
- ——→ : L-CH signal path
- ——·→ : R-CH signal path
- ▒ : B + pattern

●SEMICONDUCTOR LOCATION

Ref.No.	Location	Ref.No.	Location
IC401	F-16	D401	D-13
IC402	G-8	D402	D-13
IC403	H-10	D403	I-8
IC501	F-9	D404	F-14
IC571	C-10	D405	G-14
IC601	E-11	D406	H-7
IC671	C-10	D407	G-12
IC901	J-5	D408	H-12
IC902	K-4	D409	G-12
		D410	D-13
Q401	G-14	D411	G-14
Q402	F-14	D412	I-12
Q403	F-8	D431	K-7
Q404	F-14	D571	B-12
Q405	G-6	D572	B-12
Q406	G-13	D573	B-11
Q407	H-12	D574	B-11
Q408	H-10	D575	B-10
Q409	I-10	D671	C-12
Q410	I-9	D672	C-12
Q411	I-13	D673	C-11
Q412	I-13	D674	C-11
Q413	I-13	D675	C-10
Q414	I-13	D901	I-2
Q451	B-7	D902	I-2
Q481	J-12	D903	H-3
Q482	J-11	D904	F-4
Q483	J-12	D905	E-3
Q501	F-15	D906	E-3
Q502	G-15	D907	E-4
Q503	F-7	D908	E-4
Q504	F-13	D909	E-3
Q505	G-14	D910	F-4
Q506	I-9		
Q507	H-9		
Q508	I-9		
Q509	I-8		
Q601	G-16		
Q602	F-16		
Q603	F-7		
Q604	F-14		
Q605	F-14		
Q606	H-11		
Q607	H-11		
Q608	H-11		
Q609	G-12		
Q901	J-2		
Q902	H-2		
Q903	J-2		
Q905	F-4		

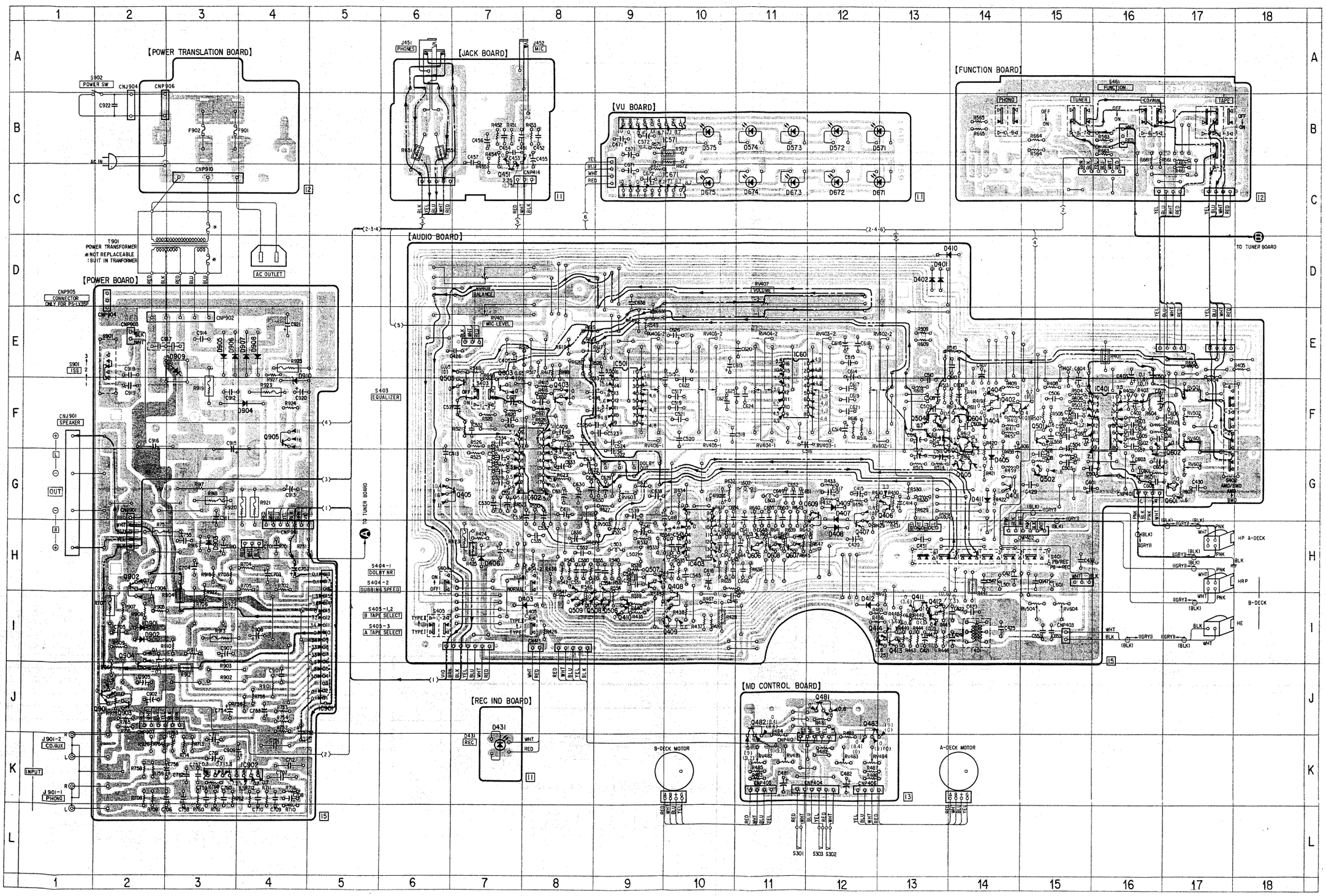
1-3. MOUNTING DIAGRAM — AUDIO SECTION —

— Conductor Side —

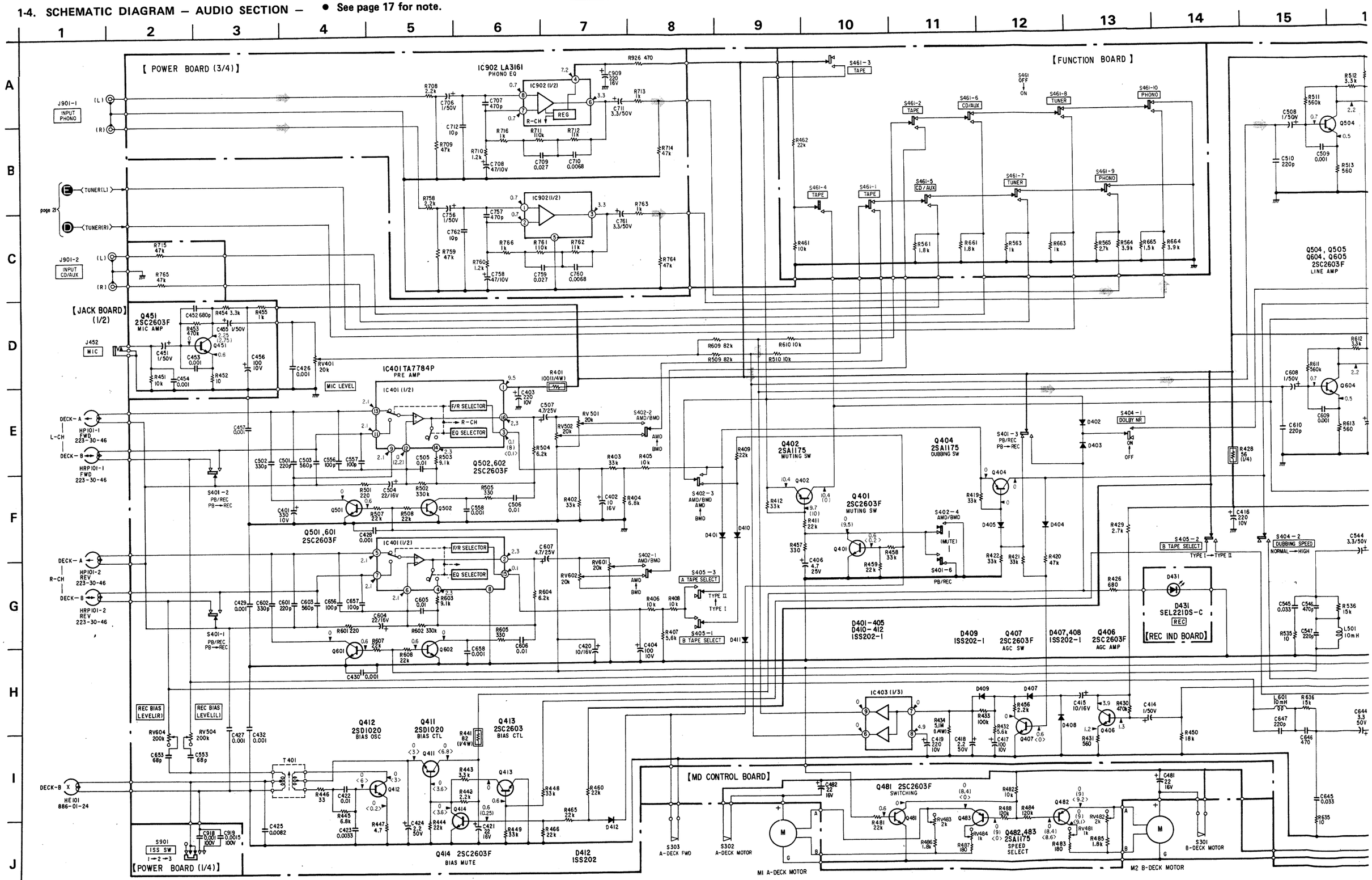


1-3. MOUNTING DIAGRAM — AUDIO SECTION —

— Conductor Side —



1-4. SCHEMATIC DIAGRAM — AUDIO SECTION —



11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

【FUNCTION BOARD】

S461 OFF ON
S461-2 TAPE
S461-6 CD/AUX
S461-8 TUNER
S461-10 PHONO
S461-5 CD/AUX
S461-7 TUNER
S461-9 PHONO
R561 1.8k
R661 1.8k
R563 1k
R663 1k
R565 2.7k
R564 3.9k
R665 1.5k
R664 3.9k

Q504, Q505
Q604, Q605
2SC2603F
LINE AMP

Q403
2SC2603F
DOLBY SW

Q503
2SD1020
MUTING

IC501, 601
M5226P
G EQ AMP

IC402
HA12046
DOLBY AMP

Q405
2SD1585-L
REGULATOR

D406
RD11EB2

S403-1 EQUALIZER
S401-5
S401-4
S403-2 EQUALIZER

Q404
2SA1175
DUBBING SW

S404-1 DOLBY NR
S401-3 PB/REC
S402-4 AMD/BMD
S401-6 PB/REC
S405-2 B TAPE SELECT
S404-2 DUBBING SPEED

D409 ISS202-1
Q407 2SC2603F AGC SW
D407,408 ISS202-1
Q406 2SC2603F AGC AMP

D431 SEL2210S-C REC
【REC IND BOARD】

IC403 LA3220 REC AMP

Q506,606 2SC2603F REC EQ SW

Q408,410 2SC2603F HIGH SPEED SW

Q507-509 Q607-609 2SC2603F REC. EQ. SW

Q603 2SD1020 MUTING

Q409 2SC2603F NORMAL SPEED SW

Q482,483 2SA1175 SPEED SELECT

M2 B-DECK MOTOR

S301 B-DECK MOTOR

IC571,671 1R2E31A VU METER DRV

【V.U BOARD】

D571-575 SEL2410E-C

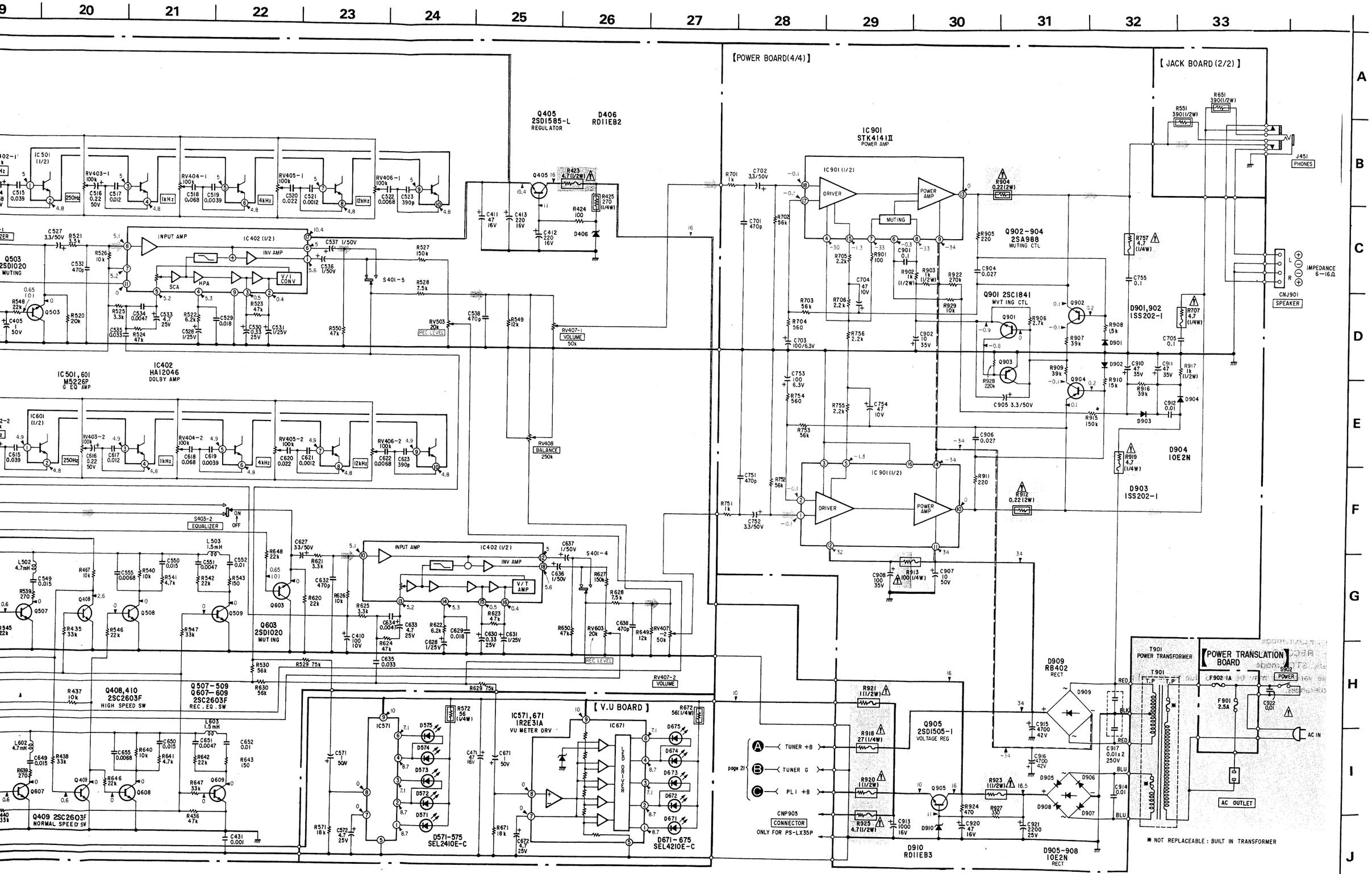
D671-675 SEL4210E-C

RV503 20k REC LEVEL

RV407-1 VOLUME 50k

RV408 BALANCE 250k

RV407-2 VOLUME 50k


19 20 21 22 23 24 25 26 27 28 29 30 31 32 33
A B C D E F G H I J
【POWER BOARD(4/4)】
【JACK BOARD (2/2)】
【V.U BOARD】
【POWER TRANSLATION BOARD】
IC501,601 M5226P G EQ AMP
IC402 HA12046 DOLBY AMP
IC901 STK4141II POWER AMP
Q405 2SD1585-L REGULATOR
D406 RD11EB2
Q503 2SD1020 MUTING
Q408,410 2SC2603F HIGH SPEED SW
Q507-509 Q607-609 2SC2603F REC.EQ.SW
Q409 2SC2603F NORMAL SPEED SW
Q603 2SD1020 MUTING
Q902-904 2SA988 MUTING CTL
Q901 2SC1841 MUTING CTL
Q905 2SD1505-I VOLTAGE REG
D901,902 1SS202-I
D903 1SS202-I
D904 10E2N
D909 RB402 RECT
D905-908 10E2N RECT
D910 RD11EB3
D571-575 SEL2410E-C
D671-675 SEL4210E-C
IC571,671 IR2E31A VU METER DRV
S401-5 EQUALIZER
S401-4 REC LEVEL
S403-2 EQUALIZER
RV408 BALANCE 250k
RV503 20k REC LEVEL
RV407-1 VOLUME 50k
RV407-2 VOLUME
J451 PHONES
CNJ901 SPEAKER
IMPEDANCE 6—16Ω
CNP905 CONNECTOR ONLY FOR PS-LX35P
T901 POWER TRANSFORMER
AC IN
AC OUTLET
* NOT REPLACEABLE : BUILT IN TRANSFORMER
INPUT AMP
INV AMP
HPA
SCA
V/I CONV.
V/T AMP
DRIVER
POWER AMP
MUTING
LED DRIVER
TUNER +B
TUNER G
PLI +B
page 21

HST-750W HST-750W

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $^1/_6$W or less unless otherwise specified.
- ⇨ : signal path.

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- Switch with sliding contact indicated by hatched lines shows shorting type.

- Switch

Ref. No.	Switch	Position
S301	MOTOR	OFF
S302	FWD	OFF
S303	FF/REW	OFF
S401	PB/REC	OFF
S402	AMD/BMD	OFF
S403	EQUALIZER	OFF
S404-1	DOLBY NR	OFF
S404-2	DUBBING SPEED	NORMAL
S405-1,2	TAPE SELECT B	TYPE I
S405-3	TAPE SELECT A	TYPE I
S461-1-4	FUNCTION TAPE	OFF
S461-5,6	FUNCTION CD/AUX	OFF
S461-7,8	FUNCTION TUNER	OFF
S461-9,10	FUNCTION PHONO	OFF

- : B+ bus.
- : B− bus.
- : adjustment for repair.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal (detuned) conditions with a VOM (50 kΩ/V).
  ( ) : PLAY mode
  < > : RECORD mode
  no-mark: STOP mode
- Voltage variations may be noted due to normal production tolerances.